# **National Survey of Algebra Teachers**

Sponsored by: The U.S. Department of Education National Mathematics Advisory Panel Conducted by: NORC at the University of Chicago

The National Survey of Algebra Teachers seeks to obtain information from Algebra I teachers about their views on students' preparation, curriculum and instruction.

Participation of teachers is voluntary and no negative consequences will attend a decision not to participate. Responses to this data collection will be used only for statistical purposes. The reports prepared for this study will summarize findings across the sample and will not associate responses with a specific district, school, or individual. We will not provide information that identifies you or your district to anyone outside the study team, except as required by law.

- Thank you for taking the time to complete this questionnaire. You may use either pen or pencil
- Please clearly circle your answers
- If you need to change an answer, please make sure the old answer is either completely erased or clearly crossed out.

The time required to complete this form varies according to individual circumstances, but the average time is estimated to be 25 minutes. If you have any comments regarding this time estimate, please write to: U.S. Department of Education, Washington, D.C. 20202-4651. If you have any specific questions or comments regarding this study, please contact Lekha Venkataraman at 1-866-696-4580.

OMB No: XXXXXXXA—Approval is Pending

### Section 1: Your Algebra I Class

In this section of the survey we would like for you to report on ONE specific class, which we will call your Target Class. When you see this referred to in a question, please report on this ONE class, even if it is not typical of the Algebra I classes you teach.

#### How to determine your Target Class

Your Target Class is the first Algebra I class you teach on Mondays. If you do not teach an Algebra I class on Monday, your Target Class is the first Algebra I class you teach on the following day.

Please answer the following questions regarding your Target Class.

1. How many	y students are	in your Target	Class?		
1	2	3	4	5	6
Less than	15-20	21-25	26-30	31-35	More than
15 students	students	students	students	students	35 students

2.	How many of the students in your Targ	et Class	: (Please d	ircle one	for each	line)
		None	Some	About half	Most	Nearly all
2a.	Are in the 7th grade	0	1	2	3	4
2b.	Are in the 8th grade	0	1	2	3	4
2c.	Are in the 9th grade	0	1	2	3	4
2d.	Are in the 10th grade	0	1	2	3	4
2e.	Are in the 11th grade	0	1	2	3	4
2f.	Are in the 12th grade	0	1	2	3	4
2g.	Are in special education (i.e., have an IEP)	0	1	2	3	4
2h.	Are currently enrolled in your school's bilingual program	0	1	2	3	4

3.	. How many students in your Target Class: (Circle one per line)						
		None	Some	About half	Most	Nearly all	
3a.	Come to class on time	0	1	2	3	4	
3b.	Attend class regularly	0	1	2	3	4	
3c.	Come to class prepared with appropriate supplies and books	0	1	2	3	4	
3d.	Create serious behavior problems in your class	0	1	2	3	4	
3e.	Regularly pay attention in class	0	1	2	3	4	
3f.	Actively participate in class activities	0	1	2	3	4	
3g.	Take notes	0	1	2	3	4	
3h.	Have serious difficulties reading English	0	1	2	3	4	
3i.	Care about what grade they receive	0	1	2	3	4	

NATIONAL SURVEY OF ALGEBRA TEACHERS

#### 4. Based on your experience with in-coming Algebra I students in your Target Class, how would you rate students' background in each of the following areas of mathematics? (Please circle one for each line)

		Excellent	Good	Fair	Poor
4a.	Whole numbers and operations with whole numbers	1	2	3	4
4b.	Positive and negative integers and operations with positive and negative integers	1	2	3	4
4c.	Rational numbers and operations involving fractions and decimals	1	2	3	4
4d.	Ratios, percents, rates, and proportions.	1	2	3	4
4e.	Solving word problems	1	2	3	4
4f.	The concept of variables	1	2	3	4
4g.	Manipulation of variables	1	2	3	4
4h.	Solving simple linear equations and inequalities	1	2	3	4
4i.	Plotting points, and graphing lines on the 4 quadrant coordinate plane	1	2	3	4
4j.	Measurement formulas of basic geometric shapes	1	2	3	4
4k.	Basic study skills and work habits necessary for success in math	1	2	3	4
<b>4</b> I.	Computation skills	1	2	3	4
4m.	Ability to use math in contexts that are identified as real world situations	1	2	3	4
4n.	Working independently	1	2	3	4
40.	Working cooperatively with other students	1	2	3	4

# 5. On average, how often do you use the following instructional materials and tools in your Target Class? (Circle one on each line)

		Never	Less than once a week	About once a week	Several times a week	Everyday
5a.	Textbooks	0	1	2	3	4
5b.	Printed instructional materials other than textbooks	0	1	2	3	4
5c.	Teacher/colleague written instructional materials	0	1	2	3	4
5d.	Graphing calculators (the school's or their own)	0	1	2	3	4
5e.	Physical objects ("manipulatives")	0	1	2	3	4
5f.	Computer-based instructional tools (software)	0	1	2	3	4

6.	Please indicate your I "Computer-based in my Target Class." (a	evel of agreement nstructional tools check one)	t or disagr (software)	eement w ) are helpi	ith the s ng Alge	statement ebra I stud	ents in
	1 2	3	Π	4	7	5	
	Strongly Some	what Neithe	r agree	Somev	- vhat	Stro	nalv
	agree agr	ee nor di	sagree	disag	ree	disa	gree
7.	What is the name of the lift you do not use a t	ne textbook you p textbook please w	rimarily us rite N/A in	se in your I the space	Algebr e provid	a I Target ded.	Class?
7a.	Title						
7b.	Author						
7c.	Publisher						
7d.	Date of Publication						
8.	Please indicate your I statements regardir	evel of agreement ng the Algebra I te	t or disagr extbook yo	eement w ou use in y	ith eacl our Tai	n of the fo rget Class	llowing
_			Strongly Agree	Agree	No Opinion	Disagree	Strongly disagree
8a.	The textbook includes the and content to teach the co	appropriate topics ourse	1	2	3	4	5
8b.	The textbook appropriately concepts	sequences math	1	2	3	4	5
8c.	The textbook provides exa that are focused directly or involved and that explain o	mples and lessons the mathematics oncepts clearly	1	2	3	4	5
8d.	The textbook provides opp development of problem-s	ortunities for the olving skills	1	2	3	4	5
8e.	The textbook provides ade each topic covered	quate practice for	1	2	3	4	5
8f.	The textbook and the supp which come with it, provide useful suggestions and pro homework assignments	oorting materials the right mix of oblems for	1	2	3	4	5
84	The textbook provides ade supplementary/support ma	quate terials	1	2	3	4	5
og.		used on Algebra I			3	4	5
8h.	The textbook is clearly foc and contains very few if ar instructional focus (e.g. off pictures with no sense of p	y distractions to the task activities, ourpose, etc.)	1	Z	0	•	

1	2	3 🗌	4 🗖	5 🗖	6 🗖	7 🗖	8 🗖
None	- <b></b> 1-10 %	° <b>ل</b> 11-20%	21-30%	ت ° 31-40%	• <b>لے</b> 41-50%	More than §	оци 50% No answe
0. <b>On</b> a	verage, ab	out how m	uch time i	per dav do v	vou expec	t vour Alge	bra I students i
yo	our Target C	lass to sp	end on as	signments	outside of	class? (ch	eck one)
1	2	3		4	5 🗖	6 🔲	7
None	1-15 mins	16	5-30 nins	31-45 mins	46-60	More tha	an No answe
	111113	> II	11115	111115	111115	00 11111	15
1 On a	waraga ah	outhowm	any of you		students	in your Tar	not Class
	mplete thei	ir outside-	of-class as	ssignments	?" (check	one)	yel Class
1	]	2		3	4		5
All c	r	About		About	No	ne or	Not applicable/
almos	t all	two-thirds		one-third	almo	st none	no homework
2. <b>On</b> a	verage hov	v manv mi	nutes ner	week does	vour Alge	bra I Target	t Class meet?
		v many m	nuces per	week uses	Jeen 1	Sid i i di got	coluss meet.
		t many m	nutes per	Week does	<u> </u>		
				(FILL IN M	INUTES)		
				(FILL IN M	INUTES)		
	s vour Alge	bralTarg	et Class m	(FILL IN M	INUTES)		
3. Doe:	s your Alge	bra I Targe	et Class m	(FILL IN M	INUTES)		
3. Doe:	s your Alge	bra I Targo 1 🗌 Yes	et Class m	(FILL IN M neet everyda 2 🗌 No	INUTES)		
3. Doe:	s your Alge	bra I Targe	et Class m	(FILL IN M	INUTES)		
3. Doe: 4. How	s your Alge	bra I Targo 1 🗌 Yes ch period o	et Class m	(FILL IN M neet everyda 2 No	INUTES) ay? ch Algebra		
3. Doe: 4. How	s your Alge	bra I Targo 1 🗌 Yes	et Class m	(FILL IN M eet everyda 2 No	INUTES)		
3. Doe: 4. How	s your Alge	bra I Targe 1 TYes	et Class m	(FILL IN M eet everyda 2 No ch you tead (FILL IN M	INUTES) ay? ch Algebra	. I?	
3. Doe: 4. How	s your Alge	bra I Targe 1 TYes	et Class m	(FILL IN M eet everyda 2 No ch you tead (FILL IN M	inUTES) ay? ch Algebra		
3. Doe: 4. How 5. Is th Cl	s your Alge long is eac is enough i ass?	bra I Targe 1 2 Yes ch period of nstruction	et Class m during whi	(FILL IN M eet everyda 2 No ch you tead (FILL IN M adequately	nUTES) ay? ch Algebra INUTES)	ebra I to yo	our Target
3. Doe: 4. How 5. Is th Cl	s your Alge long is eac	bra I Targe 1 TYes ch period of nstruction	et Class m during whi	(FILL IN M ceet everyda 2 \[ No Ch you tead (FILL IN M adequately 2 \[ No	INUTES) ay? ch Algebra INUTES)	ebra I to yo	our Target
3. Doe: 4. How 5. Is th Cl	s your Alge long is eac is enough i ass?	bra I Targo 1 TYes 2 Yes 2 Note: The second	et Class m during whi	(FILL IN M eet everyda 2 \[ No ch you tead (FILL IN M adequately 2 [ No	INUTES) ay? ch Algebra INUTES)	ebra I to yo	our Target
3. Doe: 4. How 5. Is th Cl	s your Alge	bra I Targe 1 TYes ch period of nstruction	et Class m	(FILL IN M ceet everyda 2 \[ No Ch you tead (FILL IN M adequately 2 [ No	INUTES) ay? ch Algebra INUTES)	ebra I to yo	our Target

## Section 2:Your School and Algebra I

1.	Below is a list of factors that may ca each factor, please indicate wheth	use problem er it is not a	s in Algebra problem, a m	l instructio	on. For em, a
	moderate problem or a serious pro	oblem in you Not a problem	r school. (Ci Minor problem	Moderate problem	n each line) Serious problem
1a.	Insufficient access to computers	. 1	2	3	. 4
1b.	Inadequate access to graphing calculators	1	2	3	4
1c.	Poor quality or out-of-date textbooks	1	2	3	4
1d.	Class sizes are too large	1	2	3	4
1e.	Too little coordination or articulation between classes in the mathematics curriculum	1	2	3	4
1f.	Some teachers are inadequately prepared to teach Algebra I	1	2	3	4
<b>1g</b> .	Lack of teacher planning time	1	2	3	4
1h.	Students with different abilities and interests taking the same math classes	1	2	3	4
1i.	Too little parent/family support	1	2	3	4
1j.	Inadequate opportunities for professional learning	1	2	3	4
1k.	Inadequate administrative support	1	2	3	4
2.	Does your school offer different leve ability?	els of Algebra	a I to groups	of students	s based on
	1 🗌 Yes 2 🗋	No 3	Don't know		
3.	How many CLASS PERIODS do you homeroom periods.)	teach a WEE	K? (Exclude	study hall	s and
		(Please enter	r a number)		
4.	Is your Algebra I class part of block	scheduling a	t your schoo	ol?	
	1 🗌 Yes 2 🔲	No			
ΝΑΤ	IONAL SURVEY OF ALGEBRA TEACHERS				6

5. On ave prepa	rage, how ma are for classe	ny minutes a s?	are you sch	eduled dui	ring the sc	hool day	' to
			(FILL IN	MINUTES)	)		
6. On ave prepa	rage how mu aring for your	ch time do y <sup>.</sup> Algebra I cla	ou spend o asses?	utside of th	ne regular	school d	ay
			(FILL IN	MINUTES)			
7. To what	t grades are	you currently	v teaching A	lgebra I? (	Circle all t	that appl	y)
1	2	3	4	5 🔲	6		7
7 <sup>th</sup> grade	8 <sup>th</sup> grade	9 <sup>th</sup> grade	10 <sup>th</sup> grade	11 <sup>th</sup> gra	.de 12 <sup>th</sup>	grade	Special Education
					,		
8. How do in Alg	you rate the gebra I? <i>(Cire</i>	remedial he cle one for ea	lp in your s ach line)	chool for s	tudents w	ho are st	ruggling
				Excellent	Good	Fair	Poor
<b>8a</b> Availahili	v of tutorina or	other remedial	assistance	1	2	3	4
	, · · · · · · · · · · · · · · · · · · ·						

### Section 3: Your Views of Mathematics Education

# 1. How important is a solid foundation in each of the following areas to students' success in Algebra I? (Please circle one for each line)

	<u> </u>	Not at all important	Slightly important	Moderately important	Very important	Extremely important
1a.	Whole numbers and operations with whole numbers	1	2	3	4	5
1b.	Positive and negative integers and operations with positive and negative integers	1	2	3	4	5
1c.	Rational numbers and operations involving fractions and decimals	1	2	3	4	5
1d.	Ratios, percents, rates, and proportions.	1	2	3	4	5
1e.	Solving problems involving whole numbers, fractions, and decimals	1	2	3	4	5
1f.	The concept of variables	1	2	3	4	5
1g.	Manipulation of variables	1	2	3	4	5
1h.	Solving simple linear equations and inequalities	1	2	3	4	5
1i.	Plotting points, and graphing lines on the 4 quadrant coordinate plane	1	2	3	4	5
1j.	Measurement formulas of basic geometric shapes	1	2	3	4	5
1k.	Basic study skills and work habits necessary for success in math	1	2	3	4	5
11.	Computation skills	1	2	3	4	5
1m.	Ability to use math in contexts that are identified as real world situations	1	2	3	4	5
1n.	Working independently	1	2	3	4	5
10.	Working cooperatively with other students	1	2	3	4	5

3. In your opinion, are the local district expectations for student proficiency with Algebra I: (Please circle one)         1       2       3       4       5         Too low       About right       Too high       1 do not know the expectations       There are no deexpectations         4. a. How well do you feel your preservice teacher education program prepared y to teach Algebra I?       1       2       3       4         1       2       3       4       4       4       4         1       2       3       4       4       4         1       2       3       4       4       4         1       2       3       4       4       4         Very well       Adequately       Less than adequately       Very poorly         4. b. How well do you feel your professional development opportunities have help you to teach Algebra I?       1       1       1         1       2       3       4       4       4         Very well       Adequately       Less than adequately       Very poorly         5. Does your district have teachers at the K-8 level who are "mathematics specia (even if they are called something else?       1       1       4         1       Yery well       2       No is kip to question 6	provide a brief des ulum leading up t	scription of any chai o algebra in your dis	nges you would li strict.	ke to see	in the
3. In your opinion, are the local district expectations for student proficiency with Algebra I: (Please circle one)         1       2       3       4       5         Too low       About right       Too high       I do not know the expectations       There are no deexpectations         4. a. How well do you feel your preservice teacher education program prepared y to teach Algebra I?       1       2       3       4         1       2       3       4       4       4         Very well       Adequately       Less than adequately       Very poorly         4. b.       How well do you feel your professional development opportunities have help you to teach Algebra I?       3       4       4         1       2       3       4       4       4         5. How well do you feel your professional development opportunities have help you to teach Algebra I?       3       4       4         1       2       3       4       4       4         Very well       Adequately       Less than adequately       Very poorly         5.       Does your district have teachers at the K-8 level who are "mathematics specia (even if they are called something else?       3       Not sure → skip to question Yes         1       Yes       No       Not sure       Skip to question Yes       No <th>¥ :</th> <th></th> <th></th> <th></th> <th></th>	¥ :				
3. In your opinion, are the local district expectations for student proficiency with Algebra I: (Please circle one)         1       2       3       4       5         Too low       About right       Too high       I do not know the expectations       There are no deexpectations         4. a. How well do you feel your preservice teacher education program prepared y to teach Algebra I?       1       2       3       4         1       2       3       4       4       4         Very well       Adequately       Less than adequately       Very poorly         4. b.       How well do you feel your professional development opportunities have help you to teach Algebra I?       3       4       4         1       2       3       4       4       4         2       3       4       4       4         4. b.       Adequately       Less than adequately       Very poorly         4. b.       Adequately       Less than adequately       Very poorly         5. Does your district have teachers at the K-8 level who are "mathematics specia (even if they are called something else?       3       1       1       2         5. Does your district have teachers at the K-8 level who are "mathematics specia (even if they are called something else?       3       1       1       2 <th></th> <th></th> <th></th> <th></th> <th></th>					
<ul> <li>3. In your opinion, are the local district expectations for student proficiency with Algebra I: (<i>Please circle one</i>)</li> <li>1 2 3 4 5 5</li> <li>Too low About right Too high I do not know the expectations expectations</li> <li>4. a. How well do you feel your preservice teacher education program prepared y to teach Algebra I?</li> <li>1 2 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4</li></ul>					
<ul> <li>3. In your opinion, are the local district expectations for student proficiency with Algebra I: (<i>Please circle one</i>)</li> <li>1 2 3 4 5 5</li> <li>Too low About right Too high I do not know the expectations expectations</li> <li>4. a. How well do you feel your preservice teacher education program prepared y to teach Algebra I?</li> <li>1 2 3 4 4 4 5 5</li> <li>4. a. How well do you feel your preservice teacher education program prepared y to teach Algebra I?</li> <li>1 2 3 4 4 4 4 5 5</li> <li>4. a. How well do you feel your preservice teacher education program prepared y to teach Algebra I?</li> <li>1 2 3 4 4 4 4 5 5</li> <li>4. b. How well do you feel your professional development opportunities have help you to teach Algebra I?</li> <li>1 2 3 4 4 4 4 4 4 5 5 5</li> <li>5. Does your district have teachers at the K-8 level who are "mathematics specia (even if they are called something else?</li> <li>1 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5</li></ul>					
<ul> <li>3. In your opinion, are the local district expectations for student proficiency with Algebra I: (<i>Please circle one</i>) <ol> <li>2</li> <li>3</li> <li>4</li> <li>5</li> </ol> </li> <li>1 2</li> <li>3</li> <li>4</li> <li>5</li> <li>4 3</li> <li>5</li> <li>5 1</li> <li>7 00 low About right Too high 1 do not know the expectations There are no cexpectations to expectations to exp</li></ul>					
<ul> <li>3. In your opinion, are the local district expectations for student proficiency with Algebra I: (<i>Please circle one</i>) <ol> <li>2</li> <li>3</li> <li>4</li> <li>5</li> </ol> </li> <li>1 a 2</li> <li>3 a 4</li> <li>5 a 5</li> </ul> <li>4 a 5 a 5</li> <li>5 a 5</li> <li>7 oo low About right Too high I do not know the expectations expectations expectations expectations expectations</li> <li>4. a. How well do you feel your preservice teacher education program prepared y to teach Algebra I? <ol> <li>2</li> <li>3</li> <li>4</li> <li>4</li> <li>4</li> <li>4</li> <li>4</li> </ol> </li> <li>4. a. How well do you feel your preservice teacher education program prepared y to teach Algebra I? <ol> <li>2</li> <li>3</li> <li>4</li> <li>4&lt;</li></ol></li>					
<ul> <li>In your opinion, are the local district expectations for student proficiency with Algebra I: (<i>Please circle one</i>)</li> <li>1 2 3 4 5 5</li> <li>Too low About right Too high I do not know the expectations expectations</li> <li>4. a. How well do you feel your preservice teacher education program prepared y to teach Algebra I?</li> <li>1 2 3 4 4 5 5</li> <li>Too low About right Too high I do not know the expectations</li> <li>4. a. How well do you feel your preservice teacher education program prepared y to teach Algebra I?</li> <li>1 2 3 4 4 4 5 5 5</li> <li>Very well Adequately Less than adequately Very poorly</li> <li>4. b. How well do you feel your professional development opportunities have helf you to teach Algebra I?</li> <li>1 2 3 4 4 4 5 5 5</li> <li>Does your district have teachers at the K-8 level who are "mathematics specia (even if they are called something else?</li> <li>1 Yes ↓ 2 No → skip to question 6 3 Not sure → skip to question Yes No Not sure Yes No Not Yes No Yes No Not Yes No Not Yes No Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes</li></ul>					
1       2       3       4       5         Too low       About right       Too high       I do not know the expectation       There are no cexpectation         4. a. How well do you feel your preservice teacher education program prepared y to teach Algebra I?       1       2       3       4       4         1       2       3       4       4       4       4         Very well       Adequately       Less than adequately       Very poorly         1. b.       How well do you feel your professional development opportunities have help you to teach Algebra I?       4       4         1       2       3       4       4         Very well       Adequately       Less than adequately       Very poorly         1. b.       Adequately       Less than adequately       Very poorly         1       2       3       4       4         Very well       Adequately       Less than adequately       Very poorly         5.       Does your district have teachers at the K-8 level who are "mathematics specia (even if they are called something else?       3       1       2         1       Yes       No       Not sure > skip to question       3       Not sure > skip to question         6a.       Do these teachers work with class	opinion, are the lo ra I: (Please circl	ocal district expectat	tions for student p	proficienc	y with
Too low       About right       Too high       I do not know the expectations       There are no cexpectation         4. a. How well do you feel your preservice teacher education program prepared y to teach Algebra I?       1       2       3       4       4         1       2       3       4       4       4       4         Very well       Adequately       Less than adequately       Very poorly         4. b.       How well do you feel your professional development opportunities have help you to teach Algebra I?       3       4       4         1       2       3       4       4       4         Very well       Adequately       Less than adequately       Very poorly         1       2       3       4       4         Very well       Adequately       Less than adequately       Very poorly         5.       Does your district have teachers at the K-8 level who are "mathematics specia (even if they are called something else?       3       Not sure → skip to question         1       Yes       No       Not       3       Not sure → skip to question         6a.       Do these teachers work with classes of students?       1       2	2	3	4		5
expectations       expectation         4. a. How well do you feel your preservice teacher education program prepared y to teach Algebra I?       1         1       2       3       4         Very well       Adequately       Less than adequately       Very poorly         4. b. How well do you feel your professional development opportunities have help you to teach Algebra I?       1       2       3       4         1       2       3       4       4       4         1       2       3       4       4         you to teach Algebra I?       1       2       3       4         1       2       3       4       4         Very well       Adequately       Less than adequately       Very poorly         5.       Does your district have teachers at the K-8 level who are "mathematics specia (even if they are called something else?       3       Not sure → skip to question         1       Yes       2       No → skip to question 6       3       Not sure → skip to question         ia. Do these teachers work with classes of students?       1       2	About right	Too high	I do not know the	There a	are no distri
<ul> <li>A. a. How well do you feel your preservice teacher education program prepared y to teach Algebra I? <ol> <li>2</li> <li>3</li> <li>4</li> <li>Very well</li> <li>Adequately</li> <li>Less than adequately</li> <li>Very poorly</li> </ol> </li> <li>b. How well do you feel your professional development opportunities have help you to teach Algebra I? <ol> <li>2</li> <li>3</li> <li>4</li> </ol> </li> <li>b. How well do you feel your professional development opportunities have help you to teach Algebra I? <ol> <li>2</li> <li>3</li> <li>4</li> <li>Very well</li> <li>2</li> <li>3</li> <li>4</li> </ol> </li> <li>b. How well do you feel your professional development opportunities have help you to teach Algebra I? <ol> <li>2</li> <li>3</li> <li>4</li> </ol> </li> <li>b. How well do you feel your professional development opportunities have help you to teach Algebra I? <ol> <li>2</li> <li>3</li> <li>4</li> <li>4</li> </ol> </li> <li>b. How well do you feel your professional development opportunities have help you to teach Algebra I? <ol> <li>2</li> <li>3</li> <li>4</li> <li>4</li> <li>4</li> </ol> </li> <li>b. How well do you feel your professional development opportunities have help you to teach Algebra I? <ol> <li>2</li> </ol> </li> <li>b. How well do you feel your professional development opportunities have help you to teach Algebra I? <ol> <li>2</li> <li>3</li> <li>4</li> <li></li></ol></li></ul>			expectations	exp	ectations
<ul> <li>A. a. How well do you feel your preservice teacher education program prepared y to teach Algebra I? <ol> <li>2</li> <li>3</li> <li>4</li> </ol> </li> <li>1</li> <li>2</li> <li>3</li> <li>4</li> <li>4</li></ul>					
1 2 3 4   Very well Adequately Less than adequately Very poorly   4. b. How well do you feel your professional development opportunities have help you to teach Algebra I? 3 4   1 2 3 4   1 2 3 4   Very well Adequately Less than adequately Very poorly   5. Does your district have teachers at the K-8 level who are "mathematics specia (even if they are called something else?   1 Yes 2 No   1 Yes No Not yes   1 Yes No Not yes	vell do you feel yo ch Algebra I?	our preservice teach	er education prog	ram prep	ared you
Very well       Adequately       Less than adequately       Very poorly         I. b. How well do you feel your professional development opportunities have help you to teach Algebra I?       1       2       3       4       4         1       2       3       4       4       4       4       4       4       4         Very well       Adequately       Less than adequately       Very poorly       4		2	3	2	+ 🗖
<ul> <li>b. How well do you feel your professional development opportunities have help you to teach Algebra I?</li> <li>1 □ 2 □ 3 □ 4 □</li> <li>Very well Adequately Less than adequately Very poorly</li> <li>b. Does your district have teachers at the K-8 level who are "mathematics specia (even if they are called something else?</li> <li>1 □ Yes ↓ 2 □ No → skip to question 6 3 □ Not sure → skip to question Yes No Not sure → skip to</li></ul>	ell Ac	lequately Less	s than adequately	Ver	y poorly
1       2       3       4         Very well       Adequately       Less than adequately       Very poorly         5.       Does your district have teachers at the K-8 level who are "mathematics special (even if they are called something else?       1       Yes       Very poorly         1       Yes       No       Not sure → skip to question 6       3       Not sure → skip to question 6         6a. Do these teachers work with classes of students?       1       2	vell do you feel yo o teach Algebra I?	our professional dev	elopment opportu	inities ha	ve helped
Very well       Adequately       Less than adequately       Very poorly         5.       Does your district have teachers at the K-8 level who are "mathematics specia (even if they are called something else?       1 □ Yes ♥       2 □ No ⇒ skip to question 6       3 □ Not sure ⇒ skip to question 7 yes         1 □ Yes ♥       2 □ No ⇒ skip to question 6       3 □ Not sure ⇒ skip to question 7 yes       No       Not sure         ia. Do these teachers work with classes of students?       1       2       2		2 🗖	3 🗖		
<ul> <li>Does your district have teachers at the K-8 level who are "mathematics special (even if they are called something else?</li> <li>1 □ Yes ↓ 2 □ No → skip to question 6 3 □ Not sure → skip to question Field to these teachers work with classes of students?</li> </ul>	ell Ar	lequately Less	s than adequately	Ver	v poorly
<ul> <li>Does your district have teachers at the K-8 level who are "mathematics special (even if they are called something else?</li> <li>1 ☐ Yes ↓ 2 ☐ No → skip to question 6 3 ☐ Not sure → skip to question Yes No Not sure → skip to question 1 2</li> </ul>					
1 ☐ Yes ↓       2 ☐ No → skip to question 6       3 ☐ Not sure → skip to question 6         Yes       No       Not         Yea. Do these teachers work with classes of students?       1       2	our district have to if they are called	eachers at the K-8 le something else?	vel who are "math	nematics	specialists
Yes     No     Not       ia. Do these teachers work with classes of students?     1     2	↓ 2 □ No	→ skip to question 6	3 Not sure	→ skip to	question 6
ia. Do these teachers work with classes of students? 1 2			Vac	No	Not Sur
	teachers work with c	asses of students?	1	טצו כ	1401 JUN
<b>b.</b> Do these teachers provide support to other teachers? 1 2	teachers provide sur	port to other teachers?	1	2	<u> </u>
<b>ic.</b> Are these teachers specifically qualified or trained to be nathematics specialists?	teachers specifically ics specialists?	qualified or trained to b	e 1	2	3

	1 🗌 Yes	2 🗌 No	3 🔲 🗆	on't know		
. How do you ra tests that the	te the state or loo ev currently use f	cal school d or Algebra	listrict mat I? <i>(Circle c</i>	hematics si one for each	tandards 1 <i>line</i> )	and math
	· · · ·	Excellent	Good	Fair	Poor	Not applicable no standards defined
a. Content standards	for Algebra I	1	2	3	4	5
b. Assessments of A	lgebra I outcomes	1	2	3	4	5

## Section 4: Teacher Background

1. What is your se	x?						
	1 🗌 Male 2 🗌	Female					
2. Are you Hispan	ic or Latino?						
<sup>1</sup> ☐ Yes → If Yes, answer question 3.							
2 $\square$ No $\rightarrow$ If no, skip to question 4							
3. Which of the fo (Mark one or	llowing best describe more.)	s your Hispanic origir	or descent?				
1	2	3	4				
Mexican/a or	Puerto	Cuban	Other Hispanic, Specify				
Chicano/a	Rican						
4. What is your ra	cial background? (Ma	rk one or more.)					
	_						
1	2	3 4	5				
American Indian or N Alaska Native	ative Hawaiian or	Asian Black or	African White				
	Islander		loun				
5. What is your ag	le?						
	(	FILL IN AGE)					
6. What is your em	ployment status in thi	s school system?					
1	2	3	4				
Regular full-time teacher	Regular part-time teacher	Long-term	Other, Specify				
N	<b>-</b>						

7 0	41-2		- 4 - 1 1 4 1	
/. Counting element	this year now material and second	any years in te ary level? Plea	otal nave you taugr ase also note the ni	it at either the umber of years in total.
				inder er yeare in tetan
7a. Elementary	Total (K-6)		Nu	mber of Years
<b>7b</b> . Secondary (	7-12)		Nu	mber of Years
	( 12)			
7c. Total (K-12)			Nu	mber of Years
R Counting	this year how m	any years in t	total have you taug	ht in this school?
or obtaining		any years in t	total have you lady	
			Nu	mber of Years
9. How many	y years of experi	ence do you l	have teaching Alge	bra I?
			Nu	mher of Years
10. Which of	the following bes	st describes y	our Hispanic origin	or descent?
Math	2 🖵 Science	s 🗖 English	4 🖵 Social Studies/	ں د Other, <i>please specify</i>
			History	
1. What type	of teaching cer	tification do y	ou currently hold?	
1 🔲 Re	gular or standard s	tate certificate		
2 🗖 Pr	obationary certificat	te		
3 🔲 Pr	ovisional or tempor	ary certificate		
4 🗖 🛛 Wa	aiver or emergency	certificate		
5 🗖 Ot	her, please specify			

<sup>1</sup> $\Box$ I have achieved certification by the Na	ational Board for Profession	al Teaching	Standards		
<sup>2</sup> I am currently working on National Bo	ard Certification but have n	ot achieved	it		
<sup>3</sup> 🔲 I am not working on National Board C	ertification				
.3. Under the No Child Left Behind Law (NO	CLB) are you considere	d to be a '	'highly		
quaimed teacher or.	Yes	No	Refused		
<b>3a.</b> high school mathematics	1	2	3		
<b>3b.</b> middle school mathematics	1	2	3		
	1	<u> </u>	0		
4 What is the highest academic degree vo	ou hold?				
$1 \square$ Less than a Bachelor's degree					
$^{2}\square$ Bachelor's					
4 Education specialist or professional di	inloma based on at least or	e vear of w	ork nast		
Master's degree level		le year or w	on pust		
6 Professional degree (e.g., M.D. L.L.B.	, J.D., D.D.S.)				
6 Professional degree (e.g., M.D. L.L.B.	, J.D., D.D.S.)				
6 Professional degree (e.g., M.D. L.L.B.	, J.D., D.D.S.)				
<ul> <li>5. In what YEAR did you receive your high</li> </ul>	, J.D., D.D.S.) nest college degree?				
Doctorate     Professional degree (e.g., M.D. L.L.B.	, J.D., D.D.S.)				
Professional degree (e.g., M.D. L.L.B.     S. In what YEAR did you receive your high	, J.D., D.D.S.) nest college degree? YYYY	_			
5. In what YEAR did you receive your high	, J.D., D.D.S.) est college degree? YYYY	_			
6 Professional degree (e.g., M.D. L.L.B.     5. In what YEAR did you receive your high     6. What was your major field of study for y	, J.D., D.D.S.) nest college degree? YYYY	2			
Construction     Professional degree (e.g., M.D. L.L.B.     S. In what YEAR did you receive your high     G. What was your major field of study for y	, J.D., D.D.S.) nest college degree? YYYY your bachelor's degree	?			
6 Professional degree (e.g., M.D. L.L.B.     5. In what YEAR did you receive your high     6. What was your major field of study for y     1 Education     2 English	, J.D., D.D.S.) nest college degree? YYYY your bachelor's degree	?			
6 Professional degree (e.g., M.D. L.L.B.     5. In what YEAR did you receive your high     6. What was your major field of study for y     1 Education     2 English     3 History	, J.D., D.D.S.) nest college degree? YYYY your bachelor's degree	?			
6 Professional degree (e.g., M.D. L.L.B. 5. In what YEAR did you receive your high 6. What was your major field of study for y 1 Education 2 English 3 History 4 Mathematica	, J.D., D.D.S.)	?			
6 Professional degree (e.g., M.D. L.L.B. 5. In what YEAR did you receive your high 6. What was your major field of study for y 1 Education 2 English 3 History 4 Mathematics 5 Natural/Division asianase	, J.D., D.D.S.)	?			
6 Professional degree (e.g., M.D. L.L.B. 5. In what YEAR did you receive your high 6. What was your major field of study for y 1 Education 2 English 3 History 4 Mathematics 5 Natural/Physical science	, J.D., D.D.S.)	?			
6 Professional degree (e.g., M.D. L.L.B. 5. In what YEAR did you receive your high 6. What was your major field of study for y 1 Education 2 English 3 History 4 Mathematics 5 Natural/Physical science 6 Foreign language 7 Other energing	, J.D., D.D.S.)	?			
6       Professional degree (e.g., M.D. L.L.B.         5. In what YEAR did you receive your high         6. What was your major field of study for y         1       Education         2       English         3       History         4       Mathematics         5       Natural/Physical science         6       Foreign language         7       Other specify:	, J.D., D.D.S.)	?			
5. In what YEAR did you receive your high 6. What was your major field of study for y 1 Education 2 English 3 History 4 Mathematics 5 Natural/Physical science 6 Foreign language 7 Other specify:	, J.D., D.D.S.)	?			
6       Professional degree (e.g., M.D. L.L.B.         5. In what YEAR did you receive your high         6. What was your major field of study for y         1       Education         2       English         3       History         4       Mathematics         5       Natural/Physical science         6       Foreign language         7       Other specify:	, J.D., D.D.S.)	?			

17. What was your minor field of study for your bachelor's degree?
$3 \square$ History
4 A Mathematics
<sup>5</sup> Natural/Physical science
<sup>6</sup> Foreign language
7 $\Box$ Other specify:
8 Not applicable
18. If you have earned a graduate degree, what was your major field of study for your
highest graduate degree?
<sup>1</sup> Education
<sup>2</sup> English
<sup>3</sup> History
4 U Mathematics
5 🔲 Natural/Physical science
<sup>6</sup> 📙 Foreign language
7 U Other specify:
<sup>8</sup> Not applicable
19. How skillful would you say you are at helping students master Algebra I?
<sup>1</sup> Very skillful
<sup>2</sup> Somewhat skillful
<sup>3</sup> Sometimes less skillful than I would like to be
4 🔲 Much less skillful than I would like to be

20. What do you find most challenging in teaching Algebra I successfully? (Please check one)				
1 Explaining material to struggling students				
<sup>2</sup> Handling accelerated students				
<sup>3</sup> Teaching procedures				
<sup>4</sup> Explaining concepts (e.g., why procedures work, what ideas mean				
5 🔲 Using diagrams or models effectively				
<sup>6</sup> Interpreting students' errors and difficulties				
7 D Working with unmotivated students				
<sup>8</sup> Working with advanced students				
$9$ $\Box$ Helping students whose home language is other than Standard English				
$^{10}$ $\square$ Making mathematics accessible and comprehensible to all of my students				
11 Dother, please specify:				

# 21. Please provide the following information in case we need to contact you for clarification on any responses:

Best time of the day to reach you:

E-mail address

Thank you!