International Question Number	National Question Number	International English Version (SCHOOL)
QUESTIONS THAT REQUIRE NATIONAL ADAPTATIONS (SCHOOL)		
ScQ-01	ScQ-01	**What is the total enrollment of students in your school as of <first day of month TIMSS Advanced testing begins, 2014>?** *Write in a number.* _____students
ScQ-02	ScQ-02	**What is the total enrollment of <twelfth-grade> students in your school as of <first day of month TIMSS Advanced testing begins, 2014>?** *Write in a number.* _____ students
ScQ-03	ScQ-03	**Approximately what percentage of students in your school have the following backgrounds?** *Check **one** circle for each line.* 1. 0 to 10% 2. 11 to 25% 3. 26 to 50% 4. More than 50%
ScQ-03a	ScQ-03a	Come from economically disadvantaged homes
ScQ-03b	ScQ-03b	Come from economically affluent homes
	ScQ-03c	
ScQ-04	ScQ-04A	**Approximately what percentage of students in your school have <language of test> as their native language?** *Check **one** circle only.* 1. More than 90% 2. 76 to 90% 3. 51 to 75% 4. 26 to 50% 5. 25% or less
	ScQ-04B	

	ScQ-06	

Column1	Column2	Column3
ScQ-06		**What percentage of <twelfth-grade> students in your school are taking each of the following?** *Write in the percent.* _____%
ScQ-06a		<Advanced Mathematics>
ScQ-06b		<Physics>
ScQ-07		For the <twelfth-grade> students in your school:
ScQ-07A		**How many <u>days per year</u> is your school open for instruction?** *Write in the number.* _____days
ScQ-07B		**What is the <u>total instructional time</u>, excluding breaks, in a <u>typical day</u>?** *Write in the number of minutes per day.* *Please convert the number of hours into minutes.* _____minutes
ScQ-07C		**In one <u>calendar week</u>, how many days is the school open for instruction?** *Check **one** circle only.* 1. 6 days 2. 5 1/2 days 3. 5 days 4. 4 1/2 days 5. 4 days 6. Other
ScQ-08A		**Does your school have a school library?** *Check **one** circle only.* 1. Yes 2. No *(If No, go to #9)*

ScQ-08B		**If Yes,** **Approximately how many books (print and digital) with different titles does your school library have (exclude magazines and periodicals)?** *Check **one** circle in each column.* 1. 250 or fewer 2. 251-500 3. 501-2,000 4. 2,001-5,000 5. 5,001-10,000 6. More than 10,000
ScQ-08Ba		Print
ScQ-08Bb		Digital
ScQ-08C		**Approximately how many titles of magazines and other periodicals (print and digital) does your school library**
ScQ-08Ca		Print
ScQ-08Cb		Digital
ScQ-11		**To what degree is each of the following a problem among <twelfth-grade> students in your school?**
ScQ-12		**How difficult was it to fill <twelfth-grade> teaching vacancies for this school year for the following subjects?** *Check **one** circle for each line.* 1. Were no vacancies in this subject 2. Easy to fill vacancies 3. Somewhat difficult 4. Very difficult
ScQ-12a		Advanced mathematics
ScQ-12b		Physics
ScQ-12c		Computer science/information technology
ScQ-12d		Other
ScQ-13		**Does your school currently use any incentives (e.g., pay, housing, signing bonus, smaller classes) to recruit or retain <twelfth-grade> teachers in the following fields?** *Check **one** circle for each line.* 1. Yes
ScQ-13a		Advanced mathematics

ScQ-13b		Physics
ScQ-13c		Computer science/information technology
ScQ-13d		Other

National Adaptation in English	Recoding Instructions	Source
What is the total enrollment of students in your school as of March 17, 2014? *Write in a number.* _____students		NAF 12.19.13
What is the total enrollment of twelfth-grade students in your school as of March 17, 2014? *Write in a number.* _____ students		NAF 12.19.13
		NAF 12.19.13
		NAF 12.19.13
		NAF 12.19.13
Around the first of October 2013 what percentage of students at this school were eligible to receive free or reduced-price lunches through the National School Lunch Program? _____ percentage of students		timss 2011 grade 8
Approximately what percentage of students in your school have Englsh as their native language? *Check **one** circle only.* 1. More than 90% 2. 76 to 90% 3. 51 to 75% 4. 26 to 50% 5. 25% or less		NAF 12.19.13
Of the students currently enrolled in your school, what percentage has been identified as limited-English proficient (LEP)/English language learners (ELL)? 1. 0% 2. 1-5% 3. 6-10% 4. 11-25% 5. 26-50%		timss 2011 grade 8

What type of school is this? *Fill **one** circle only.* 1. Regular public school 2. A regular public school with a magnet program 3. A magnet school or school with a special program emphasis (e.g ., Montessori, science/math school, performing arts school, talented/gifted school, foreign language immersion school, etc.) 4. Special education: a school that primarily serves students with disabilities 5. Alternative: a school designed to address the needs of students, typically at risk of educational failure, which cannot be met in regular schools 6. Vocational		timss 2011 grade 8

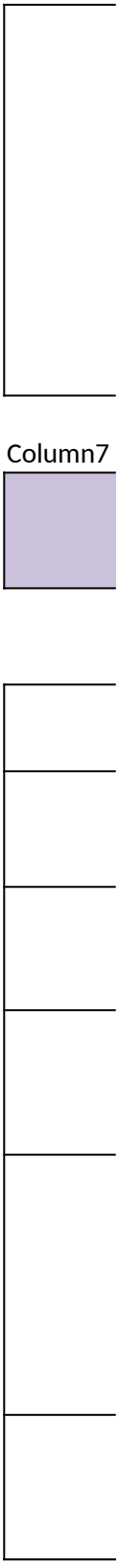
Column4	Column5	Column6
What percentage of twelfth-grade students in your school are taking each of the following? *Write in the percent.* _____%		NAF 12.19.13
Advanced Mathematics, such as calculus courses		
Physics, such as advanced physics or second year college preparatory physics or AP Physics		
Does your school have a special program or track to prepare students for courses such as calculus or advanced physics? 1. Yes 2. No		
For the twelfth-grade students in your school:		NAF 12.19.13
Omit/delete		

Omit/delete		
Omit/delete		
Omit/delete		
Omit/delete		
Omit/delete		
Omit/delete		
To what degree is each of the following a problem among twelfth-grade students in your school?		NAF 12.19.13
How difficult was it to fill the teaching vacancies for this school year for the following subjects? *Check **one** circle for each line.* 1. Were no vacancies in this subject 2. Easy to fill vacancies 3. Somewhat difficult 4. Very difficult		NAF 12.19.13
Advanced mathematics, such as calculus		
Physics, i.e. advanced physics such as second year college preparatory physics or AP Physics		
Does your school currently use any incentives (e.g., pay, housing, signing bonus, smaller classes) to recruit or retain teachers in the following fields? *Check **one** circle for each line.* 1. Yes		NAF 12.19.13
Advanced mathematics, such as calculus		

Physics, i.e., advanced physics such as second year college preparatory physics or AP Physics		

Column1

Column7



International Question Number	National Question Number	International English Version (TEACHER MATH)
QUESTIONS THAT REQUIRE NATIONAL ADAPTATIONS (TEACHER MATH)		
	TQG-01a	
TQG-01	TQG-01b	**By the end of this school year, how many years will you have been teaching altogether?** *Please **round** to the nearest whole number.* _____ years
		What is the highest level of formal education you have completed? *Check **one** circle only.* 1. Did not complete <Upper secondary education—ISCED level 3> 2. <Upper secondary education—ISCED Level 3> 3. <Post-secondary, non-tertiary education—ISCED Level 4> 4. <Short-cycle tertiary education—ISCED Level 5> 5. <Bachelor's or equivalent level—ISCED Level 6> 6. <Master's or equivalent level—ISCED Level 7> 7. <Doctor or equivalent level—ISCED Level 8>
TQM-05	TQM-05	During your **<post-secondary>** education, what was your major or main area(s) of study? 1. Yes 2. No
TQM-05a	TQM-05a	Mathematics
TQM-05b	TQM-05b	Physics
TQM-05c	TQM-05c	Biology
TQM-05d	TQM-05d	Chemistry
TQM-05e	TQM-05e	**<Earth Science>**
		Engineering
TQM-05f	TQM-05f	Education--Mathematics
		Education-Physics
TQM-05g	TQM-05g	Education--Science
TQM-05h	TQM-05h	Education--General
TQM-05i	TQM-05i	Other
Column1	**Column2**	**Column3**
TQM-26c	TQM-27c	National or regional achievement tests
		About Teaching the TIMSS Class
TQG-12		How many students in this class experience difficulties understanding spoken <language of test>? *Write in a number.* _____ students in this class

National Adaptation in English	Recoding Instructions	Source	Column1
What year did you start teaching? _____		SASS item used in conjunction with 'years taught' to determine teachers who have taken breaks in their teaching career.	
At the end of this school year, how many years will you have taught altogether? *Please **round** to the nearest whole number.* _____ years			
What is the highest level of formal education you have completed? *Check **one** circle only.* 1. Did not complete high school 2. High school graduate 3. Associate's degree (2-year college program) 4. Bachelor's degree (4-year college program) 5. Master's degree or professional degree (MD, DDS, lawyer, minister) 6. Doctorate (Ph.D. or EdD)	US to Int'l: 1=1 2=2 3=4 4=5 5=6 6=7	NAF 12.19.13	
During your college or university education, what was your major or main area(s) of study? 1. Yes 2. No		timss 2011 grade 8 math	
		timss 2011 grade 8 math	
		timss 2011 grade 8 math	
		timss 2011 grade 8 math	
		timss 2011 grade 8 math	
Earth Science		timss 2011 grade 8 math	
		timss 2011 grade 8 math	
		timss 2011 grade 8 math	
		timss 2011 grade 8 math	
		timss 2011 grade 8 math	
Column4	**Column5**	**Column6**	**Column7**
State or district achievement tests		timss 2011 grade 8 math	
*If you teach more than one advanced mathematics or physics class, select **one** of your classes and keep it in mind as you answer questions 11 through 14.*			
How many students in this class experience difficulties understanding spoken English? *Write in a number.* _____ students in this class		NAF 12.19.13	

International Question Number	National Question Number	International English Version (TEACHER MATH)
		Teaching Advanced Mathematis to th

		Resources for Teaching Mathematics
		Questions 19-20 ask about resources for teaching mathematics to the students in the TIMSS class.

		Advanced Mathematics Topics Taugh
		Question 21 asks about the topics taught and the content covered in teaching advanced mathematics to the students in the TIMSS class.

		Mathematics Homework
		Question 22 asks about mathematics homework for the students in the TIMSS class.
TQM-24		**In the past two years, how many hours in total have you spent in formal <in-service/professional development> (e.g., workshops, seminars, etc.) for mathematics?** *Check **one** circle only.* 1. None 2. Less than 6 hours 3. 6–15 hours 4. 16–35 hours 5. More than 35 hours

TQM-26A		**Are you a member of <professional organization for mathematics teachers>?** *Check **one** circle only.* 1. Yes 2. No
TQM-26B		**In the past two years, have you regularly participated in activities sponsored by <professional organization for mathematics teachers>?** *Check **one** circle only.* 1. Yes 2. No

		Preparation to Teach Advanced Math

National Adaptation in English	Recoding Instructions	Source	
ıe TIMSS Class			
*If you teach more than one advanced mathematics class, select **one** of your classes and keep it in mind as you answer questions 15 through 18.*			

*Questions 19-20 ask about resources for teaching mathematics to the students in the TIMSS class. If you teach more than one advanced mathematics class, select **one** of your classes and keep it in mind as you answer questions 19 and 20.*

ıt

*Question 21 asks about the topics taught and the content covered in teaching advanced mathematics to the students in the TIMSS class. If you teach more than one advanced mathematics class, select **one** of your classes and keep it in mind as you answer question 21.*

*Question 22 asks about mathematics homework for the students in the TIMSS class. If you teach more than one advanced mathematics class, select **one** of your classes and keep it in mind as you answer question 22.*

In the past two years, how many hours in total have you spent in formal in-service/professional development (e.g., workshops, seminars, etc.) for mathematics?
*Check **one** circle only.*
1. None
2. Less than 6 hours
3. 6–15 hours
4. 16–35 hours
5. More than 35 hours

Are you a member of National Council of Teachers of Mathematics?
*Check **one** circle only.*
1. Yes
2. No

In the past two years, have you regularly participated in activities sponsored by National Council of Teachers of Mathematics?
*Check **one** circle only.*
1. Yes
2. No

ıematics

*If you teach more than one advanced mathematics class, select **one** of your classes and keep it in mind as you answer question 28.*

International Question Number	National Question Number	International English Version (TEACHER MATH)
		Teaching Physics to the TIMSS Class

		Resources for Teaching Physics
		Questions 19-21 ask about resources for teaching physics to the students in the TIMSS class.
		Physics Topics Taught
		Question 22 asks about the topics taught and the content covered in teaching physics to the students in the TIMSS class.
		Physics Homework
		Question 23 asks about physic homework for the students in the TIMSS class.
TQP-25		**In the past two years, how many hours in total have you spent in formal <in-service/professional development> (e.g., workshops, seminars, etc.) for physics?** *Check **one** circle only.* 1. None 2. Less than 6 hours 3. 6–15 hours 4. 16–35 hours 5. More than 35 hours

TQP-27A		**Are you a member of <professional organization for physics teachers>?** *Check **one** circle only.* 1. Yes 2. No
TQP-27B		**In the past two years, have you regularly participated in activities sponsored by <professional organization for physics teachers>?** *Check **one** circle only.* 1. Yes 2. No
		Preparation to Teach Physics

National Adaptation in English	Recoding Instructions	Source	
*If you teach more than one physics class, select **one** of your classes and keep it in mind as you answer questions 15 through 18.*			

*Questions 19-21 ask about resources for teaching mathematics to the students in the TIMSS class. If you teach more than one physics class, select **one** of your classes and keep it in mind as you answer questions 19 through 21.*

*Question 22 asks about the topics taught and the content covered in teaching physics to the students in the TIMSS class. If you teach more than one physics class, select **one** of your classes and keep it in mind as you answer question 22.*

*Question 23 asks about physics homework for the students in the TIMSS class. If you teach more than one physics class, select **one** of your classes and keep it in mind as you answer question 23.*
In the past two years, how many hours in total have you spent in formal in-service/professional development (e.g., workshops, seminars, etc.) for physics? *Check **one** circle only.* 1. None 2. Less than 6 hours 3. 6–15 hours 4. 16–35 hours 5. More than 35 hours

Are you a member of National Science Teachers Association? *Check **one** circle only.* 1. Yes 2. No
In the past two years, have you regularly participated in activities sponsored by National Science Teachers Association? *Check **one** circle only.* 1. Yes 2. No

*If you teach more than one physics class, select **one** of your classes and keep it in mind as you answer question 29.*

International Question Number	National Question Number	International English Version (STUDENT MATH)
QUESTIONS THAT REQUIRE NATIONAL ADAPTATIONS (MATH)		
SQIS-03	SQIS-03A	How often do you speak **<language of test>** at home? 1. Always 2. Almost always 3. Sometimes 4. Never
	SQIS-03B	
SQG-06		**Do you have any of these things?** *Fill **one** circle for each line.* 1. Yes 2. No
SQG-06a		Your own computer
SQG-06b		Your own tablet
SQG-06c		Your own smartphone
SQG-06d		Your own graphing calculator
SQG-06e		A gaming system (e.g., PlayStation®, Wii®, XBox®)
SQG-06f		Study desk/table for your use
SQG-06g		Your own room
SQG-06h		<country-specific indicator of wealth>
SQG-06i		<country-specific indicator of wealth>
SQG-06j		<country-specific indicator of wealth>
		What is the highest level of education completed by your mother **<or stepmother or female guardian>?** 1. Some <ISCED Level 1 or 2 > or did not go to school 2. <ISCED Level 2> 3. <ISCED Level 3> 4. <ISCED Level 4> 5. <ISCED Level 5> 6. <ISCED Level 6> 7. <ISCED Level 7> 8. <ISCED Level 8>
		What is the highest level of education completed by your father **<or stepfather or male guardian>?** 1. Some <ISCED Level 1 or 2 > or did not go to school 2. <ISCED Level 2> 3. <ISCED Level 3> 4. <ISCED Level 4> 5. <ISCED Level 5> 6. <ISCED Level 6> 7. <ISCED Level 7> 8. <ISCED Level 8>

		How far in your education do you expect to go? 1. <ISCED Level 3> 2. <ISCED Level 4> 3. <ISCED Level 5> 4. <ISCED Level 6> 5. <ISCED Level 7> 6. <ISCED Level 8>
SQG-12A		**Was your mother <or stepmother or female guardian> born in <country>?** *Fill **one** circle only.* 1. Yes 2. No
SQG-12B		**Was your father <or stepfather or male guardian> born in <country>?** *Fill **one** circle only.* 1. Yes 2. No
SQG-13A		**Were you born in <country>?** *Fill **one** circle only.* 1. Yes 2. No *(If Yes, go to #14)*
SQG-13B		**If No,** **If you were not born in <country>, how old were you when you came to <country>?** *Fill **one** circle only.* 1. Older than 15 years old 2. 11 to 15 years old 3. 5 to 10 years old 4. Younger than 5 years old
Column1	**Column2**	**Column3**
	SQIS-01B	
	SQIS-01C	
	SQIS-6	

	SQIS-7	

SQG-11		**In the future, do you want to work in any of the following professional fields?** 1. Yes 2. Maybe 3. No
SQG-11a		Education (e.g., teacher, university professor)
SQG-11b		Engineering and Engineering Technologies (e.g., aerospace engineer, chemical engineer, civil engineer, electrical engineer, mechanical engineer)
SQG-11c		Computer and Information Sciences (e.g., database administrator, network administrator, software or application developer, systems analyst)
SQG-11d		Finance/Banking

SQG-11e		Biological and Biomedical Sciences (e.g., biomedical engineer, biochemist, biophysicist, dentist, medical doctor, nurse, veterinarian)
SQG-11f		Environmental Sciences
SQG-11g		Agriculture and Agricultural Sciences
SQG-11h		Actuarial Sciences
SQG-11i		Other Fields

National Adaptation in English	Recoding Instructions	Source	Column1
How often do you speak English at home? 1. Always 2. Almost always 3. Sometimes 4. Never		timss 2011 grade 8 math	
What language do you speak at home (other than English)? Fill in one oval only. 1. Spanish 2. Other Please specify _____		timss 2011 grade 8 math	
		naf 12.19.13	
Your own car			
Not Administered			
Not Administered			
What is the highest level of education completed by your mother (or stepmother or female guardian)? 1. Less than high school 2. Some high school 3. High school graduate 4. Associate's degree (2-year college program) 5. Bachelor's degree (4-year college program) 6. Master's degree or professional degree (MD, DDS, lawyer, minister) 7. Doctorate (Ph.D. or EdD)	US to Int'l: 1=1 2=2 3=3 4=5 5=6 6=7 7=8	draft timss advanced mathematics	
What is the highest level of education completed by your father (or stepfather or male guardian)? 1. Less than high school 2. Some high school 3. High school graduate 4. Associate's degree (2-year college program) 5. Bachelor's degree (4-year college program) 6. Master's degree or professional degree (MD, DDS, lawyer, minister) 7. Doctorate (Ph.D. or EdD)	US to Int'l: 1=1 2=2 3=3 4=5 5=6 6=7 7=8	draft timss advanced mathematics	

How far in your education do you expect to go? 1. Complete high school 2. Complete an Associate's degree (AA) in vocational/occupational or academic program 3. Complete a 4-year college or university degree 4. Complete a Master's degree or first professional degree (e.g., law, medicine, dentistry 5. Complete doctorate degree (e.g. Ph.D., EdD)	US to Int'l: 1=1 2=3 3=4 4=5 5=6	draft timss advanced mathematics	
Was your mother (or stepmother or female guardian) born in the United States? *Fill **one** circle only.* 1. Yes 2. No		naf 12.19.13	
Was your father (or stepfather or male guardian) born in the United States? *Fill **one** circle only.* 1. Yes 2. No		naf 12.19.13	
Were you born in the United States? *Fill **one** circle only.* 1. Yes 2. No *(If Yes, go to #14)*		naf 12.19.13	
If No, **If you were not born in the United States, how old were you when you came to the United States?** *Fill **one** circle only.* 1. Older than 15 years old 2. 11 to 15 years old 3. 5 to 10 years old 4. Younger than 5 years old		NAF 12.19.13	
Column4	**Column5**	**Column6**	**Column7**
Are you Hispanic or Latino? 1.Yes, I am Hispanic or Latino 2.No, I am not Hispanic or Latino		timss 2011 grade 8 math	
Which of the following best describes you? Fill in one or more ovals. 1. White 2. Black or African American 3. Asian 4. American Indian or Alaska Native 5. Native Hawaiian or other Pacific Islander		timss 2011 grade 8 math	
How many days were you absent from school in the last month? Fill in one oval only. 1. None 2. 1 or 2 days 3. 3 or 4 days 4. 5 to 10 days 5. More than 10 days		timss 2011 grade 8 math	

Have you ever repeated a grade? Fill in only one oval for each line. a) In elementary school Yes No b) In middle or junior high school Yes No c) In high school Yes No		timss 2011 grade 8 math	
How hard was this test compared to most other tests you have taken this year in school? 1. Easier than other tests 2. About as hard as other tests 3. Harder than other tests 4. Much harder than other tests		NAEP 2013 Grade 12 Math, #16	
How hard did you try on this test compared to how hard you tried on most other tests you have taken this year in school? 1. Not as hard as on other tests 2. About as hard as on other tests 3. Harder than on other tests 4. Much harder than on other tests		NAEP 2013 Grade 12 Math, #17	
How important was it to you to do well on this test? 1. Not very important 2. Somewhat important 3. Important 4. Very important		NAEP 2013 Grade 12 Math, #18	
During this school year, which of the following have you done? Fill in ovals for all that apply. 1. Taken the SAT or ACT College Entrance Exams 2. Submitted the Free Application for Federal Student Aid (FAFSA) 3. Applied to a 2-year college 4. Been accepted to a 2-year college 5. Applied to a 4-year college 6. Been accepted to a 4-year college 7. Talked with a military recruiter or contacted a ROTC program 8. Enlisted in the military or enrolled in a ROTC program 9. Applied for a full-time job 10. Been interviewed for a full-time job 11. None of the above		NAEP 2013 Grade 12 Math, #13	

Actuarial Sciences (i.e., use mathematical and statistical methods to assess risk)
Other Fields (specify) _____

International Question Number	National Question Number	International English Version (STUDENT PHYSICS)
QUESTIONS THAT REQUIRE NATIONAL ADAPTATIONS (STUDENT PHYSIC		
OTHER QUESTIONS		
Column1	Column	Column3

National Adaptation in English	Recoding Instructions	Source	Column1
S)			
Column4	Column5	Column6	Column7
In what grade did you complete any of the courses listed below? Fill in **one** or **more** circles in each row. 1. Never 2. Grade 8 or earlier 3. 9 4. 10 5. 11 6. 12		NAEP 2009 grade 12 - Science	
General or unified science			
Earth and space science		NAEP 2009 grade 12 - Science	
Life science (other than biology)		NAEP 2009 grade 12 - Science	
Physical science (other than chemistry or physics)		NAEP 2009 grade 12 - Science	
First-year biology		NAEP 2009 grade 12 - Science	
Second-year biology		NAEP 2009 grade 12 - Science	
First-year chemistry		NAEP 2009 grade 12 - Science	
Second-year chemistry		NAEP 2009 grade 12 - Science	
First-year physics		NAEP 2009 grade 12 - Science	
Second-year physics		NAEP 2009 grade 12 - Science	
Engineering and technology		NAEP 2009 grade 12 - Science	
Other advanced science course		NAEP 2009 grade 12 - Science	
Please indicate if you have taken or are currently enrolled in any of the following Advanced (AP®) courses. Have taken or are enrolled in:		NAEP 2009 grade 12 - Science	
Advanced Placement (AP) Biology 1. Yes 2. No		NAEP 2009 grade 12 - Science	
Advanced Placement (AP) Environmental Science 1. Yes 2. No		NAEP 2009 grade 12 - Science	
Advanced Placement (AP) Chemistry 1. Yes 2. No		NAEP 2009 grade 12 - Science	
Advanced Placement (AP) Physics B or C 1. Yes 2. No		NAEP 2009 grade 12 - Science	
Advanced Placement (AP) Computer Science A or AB 1. Yes 2. No		NAEP 2009 grade 12 - Science	

Are you currently enrolled in or have you taken an International Baccalaureate® (IB) mathematics course? 1. Yes 2. No		NAEP 2013 Grade 12 Math, #3	
Are you currently enrolled in or have you taken any online science courses? 1. No 2. Yes, but not for credit 3. Yes, for high school credit 4. Yes, for college credit 5. Yes, for both high school and college credit		NAEP 2013 Grade 12 Math, #4	

International Question Number	National Question Number	International English Version (STUDENT MATH)
QUESTIONS THAT REQUIRE NATIONAL ADAPTATIONS (MATH)		
Column1	Column2	Column3

National Adaptation in English	Recoding Instructions	Source	Column1
Column4	**Column 5**	**Column6**	**Column7**
In what grade did you complete any of the courses listed below? Fill in **one** or **more** circles in each row. 1. Never 2. Grade 8 or earlier 3. 9 4. 10 5. 11 6. 12		NAEP 2013 Grade 12 Math, #1	
a. Algebra I course		NAEP 2013 Grade 12 Math, #1a	
b. Geometry course		NAEP 2013 Grade 12 Math, #1b	
c. Algebra II course, with or without trigonometry		NAEP 2013 Grade 12 Math, #1c	
d. Trigonometry (as a separate course)		NAEP 2013 Grade 12 Math, #1d	
e. Pre-calculus course (also called introductory analysis)		NAEP 2013 Grade 12 Math, #1e	
f. Calculus course		NAEP 2013 Grade 12 Math, #1k	
g. Probability or statistics course		NAEP 2013 Grade 12 Math, #1j	
h. Integrated mathematics 1 (first year of a multi-year course)		NAEP 2013 Grade 12 Math, #1f	
i. Integrated mathematics 2 (second year of a multi-year course)		NAEP 2013 Grade 12 Math, #1g	
j. Integrated mathematics 3 (third year of a multi-year course)		NAEP 2013 Grade 12 Math, #1h	
k. Integrated mathematics 4 (fourth year of a multi-year course)		NAEP 2013 Grade 12 Math, #1i	
l. Other advanced mathematics course (specify): _____ _____		NAEP 2013 Grade 12 Math, #1m	
Please indicate if you have taken or are currently enrolled in any of the following Advanced (AP®) courses. Have taken or are enrolled in:		NAEP 2013 Grade 12 Math, #2	
Advanced Placement (AP) Calculus AB 1. Yes 2. No		NAEP 2013 Grade 12 Math, #3	
Advanced Placement (AP) Calculus BC 1. Yes 2. No		NAEP 2013 Grade 12 Math, #4	
Advanced Placement (AP) Statistics 1. Yes 2. No		Completes set of adv math AP offerings.	
Are you currently enrolled in or have you taken an International Baccalaureate® (IB) mathematics course? 1. Yes 2. No		NAEP 2013 Grade 12 Math, #3	

4. Are you currently enrolled in or have you taken any online mathematics courses? 1. No 2. Yes, but not for credit 3. Yes, for high school credit 4. Yes, for college credit 5. Yes, for both high school and college credit		NAEP 2013 Grade 12 Math, #4	