In this section, please tell us about yourself and your family. Please answer questions about your home based on where you live most of the time during the school year. The section has 15 questions. Mark your answers in your booklet. Fill in only one oval for each question except where instructed otherwise.

1. Are you Hispanic or Latino? Fill in one or more ovals.
   - ☐ No, I am not Hispanic or Latino.
   - ☐ Yes, I am Mexican, Mexican American, or Chicano.
   - ☐ Yes, I am Puerto Rican or Puerto Rican American.
   - ☐ Yes, I am Cuban or Cuban American.
   - ☐ Yes, I am from some other Hispanic or Latino background.

2. Which of the following best describes you? Fill in one or more ovals.
   - ☐ White
   - ☐ Black or African American
   - ☐ Asian
   - ☐ American Indian or Alaska Native
   - ☐ Native Hawaiian or other Pacific Islander
3. About how many books are there in your home?
- Few (0–10)
- Enough to fill one shelf (11–25)
- Enough to fill one bookcase (26–100)
- Enough to fill several bookcases (more than 100)

4. Is there a computer at home that you use?
- Yes
- No

5. Do you have the following in your home? Fill in ovals for all that apply.
- Access to the Internet
- Clothes dryer just for your family
- Dishwasher
- More than one bathroom
- Your own bedroom

6. About how many pages a day do you have to read in school and for homework?
- 5 or fewer
- 6–10
- 11–15
- 16–20
- More than 20

7. How often do you talk about things you have studied in school with someone in your family?
- Never or hardly ever
- Once every few weeks
- About once a week
- Two or three times a week
- Every day

8. How many days were you absent from school in the last month?
- None
- 1 or 2 days
- 3 or 4 days
- 5 to 10 days
- More than 10 days
9. How far in school did your mother go?
☐ She did not finish high school.
☐ She graduated from high school.
☐ She had some education after high school.
☐ She graduated from college.
☐ I don’t know.

10. How far in school did your father go?
☐ He did not finish high school.
☐ He graduated from high school.
☐ He had some education after high school.
☐ He graduated from college.
☐ I don’t know.

11. How often do people in your home talk to each other in a language other than English?
☐ Never
☐ Once in a while
☐ About half of the time
☐ All or most of the time

12. Do the following people live in your home? Fill in ovals for all that apply.
☐ Mother
☐ Stepmother
☐ Foster mother or other female legal guardian
☐ Father
☐ Stepfather
☐ Foster father or other male legal guardian
13. During this school year, which of the following have you done? Fill in ovals for all that apply.

- Taken the SAT or ACT College Entrance Exams
- Submitted the Free Application for Federal Student Aid (FAFSA)
- Applied to a 2-year college
- Been accepted to a 2-year college
- Applied to a 4-year college
- Been accepted to a 4-year college
- Applied to a certificate or diploma program at a school that provides occupational training (such as electrician, beautician, mechanic, computer programmer, etc.)
- Been accepted to a technical training program
- Talked with a military recruiter
- Enlisted in the military
- Applied for a full-time job
- Been interviewed for a full-time job
- None of the above

14. Which of the following best describes your high school program?

- General
- Academic or college preparatory
- Vocational or technical

15. Write the ZIP code of your home address in the boxes.
This section has 18 questions. Mark your answers in your booklet. Fill in only one oval for each question except where instructed otherwise.

1. Which courses have you taken from eighth grade to the present? If you have taken a course more than once, give the most recent year you took it. Fill in one oval on each line. INCLUDE courses taken in summer school, but DO NOT INCLUDE topics that were only taught as part of a longer course (such as trigonometry taught in drafting class or computer programming taught in Algebra II).

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Grade 8</th>
<th>Grade 9</th>
<th>Grade 10</th>
<th>Grade 11</th>
<th>Grade 12</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Basic or general mathematics course</td>
<td></td>
<td>A</td>
<td>B</td>
<td>C</td>
<td>D</td>
</tr>
<tr>
<td>B. Tech-prep mathematics, business mathematics, consumer mathematics, or other applied mathematics course</td>
<td></td>
<td>A</td>
<td>B</td>
<td>C</td>
<td>D</td>
</tr>
<tr>
<td>C. Introduction to algebra or pre-algebra course</td>
<td></td>
<td>A</td>
<td>B</td>
<td>C</td>
<td>D</td>
</tr>
<tr>
<td>D. Algebra I course</td>
<td></td>
<td>A</td>
<td>B</td>
<td>C</td>
<td>D</td>
</tr>
<tr>
<td>E. Geometry course</td>
<td></td>
<td>A</td>
<td>B</td>
<td>C</td>
<td>D</td>
</tr>
<tr>
<td>F. Algebra II course, with or without trigonometry</td>
<td></td>
<td>A</td>
<td>B</td>
<td>C</td>
<td>D</td>
</tr>
<tr>
<td>G. Trigonometry (as a separate course)</td>
<td></td>
<td>A</td>
<td>B</td>
<td>C</td>
<td>D</td>
</tr>
<tr>
<td>H. Pre-calculus course (also called introductory analysis)</td>
<td></td>
<td>A</td>
<td>B</td>
<td>C</td>
<td>D</td>
</tr>
<tr>
<td>I. Integrated mathematics 1 (first year of a multi-year course)</td>
<td></td>
<td>A</td>
<td>B</td>
<td>C</td>
<td>D</td>
</tr>
<tr>
<td>J. Integrated mathematics 2 (second year of a multi-year course)</td>
<td></td>
<td>A</td>
<td>B</td>
<td>C</td>
<td>D</td>
</tr>
</tbody>
</table>
Section 4

<table>
<thead>
<tr>
<th>Course</th>
<th>I have never taken this course</th>
<th>I took this course in or before Grade 8</th>
<th>I took this course in Grade 9</th>
<th>I took this course in Grade 10</th>
<th>I took this course in Grade 11</th>
<th>I took this course in Grade 12</th>
</tr>
</thead>
<tbody>
<tr>
<td>k. Integrated mathematics 3 (third year of a multi-year course)</td>
<td>A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>F</td>
</tr>
<tr>
<td>l. Integrated mathematics 4 (fourth year of a multi-year course)</td>
<td>A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>F</td>
</tr>
<tr>
<td>m. Probability or statistics course</td>
<td>A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>n. Calculus course</td>
<td>A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>o. Computer programming course (such as C++, Visual Basic, etc.)</td>
<td>A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>p. Other mathematics course (specify): ______________________________</td>
<td>A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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VC299033

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VE593395
Section 4

2. Are you currently enrolled in or have you taken any of the following Advanced Placement (AP®) courses? Fill in ovals for all that apply.

☐ Yes, I am enrolled in or have taken Advanced Placement (AP) Calculus AB.

☐ Yes, I am enrolled in or have taken Advanced Placement (AP) Calculus BC.

☐ Yes, I am enrolled in or have taken Advanced Placement (AP) Statistics.

☐ No, I have not taken any of the courses listed above.

3. Are you currently enrolled in or have you taken an International Baccalaureate® (IB) mathematics course?

☐ Yes

☐ No

4. Are you currently enrolled in or have you taken any online mathematics courses for high school or college credit?

☐ Yes

☐ No

5. Was there a mathematics course that you would have liked to have taken this school year but did not take?

☐ Yes, but my school does not offer the course.

☐ Yes, but the course was full.

☐ Yes, but I did not have the necessary prerequisites.

☐ Yes, but my schedule was full.

☐ No, there was no other course that I wanted to take.
6. Please indicate how much you DISAGREE or AGREE with the following statements. Fill in one oval on each line.

<table>
<thead>
<tr>
<th>Strongly disagree</th>
<th>Disagree</th>
<th>Agree</th>
<th>Strongly agree</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Mathematics is one of my favorite subjects.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>b. I take mathematics because it will help me in the future.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>c. I take mathematics to meet my high school graduation requirements.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

6. Please indicate how much you agree or disagree with the following statements. Fill in one oval on each line.

a. Mathematics is one of my favorite subjects.  
   - Strongly disagree  
   - Disagree  
   - Agree  
   - Strongly agree

b. I take mathematics because it will help me in the future.  
   - Strongly disagree  
   - Disagree  
   - Agree  
   - Strongly agree

c. I take mathematics to meet my high school graduation requirements.  
   - Strongly disagree  
   - Disagree  
   - Agree  
   - Strongly agree

7. Are you currently taking a mathematics course?

- Yes ➔ Go to Question 8.
- No ➔ Skip to Question 15.

8. How often do you receive help or tutoring with mathematics outside of your regular mathematics class?

- Never or hardly ever
- Once or twice a month
- Once or twice a week
- Every day or almost every day

9. How often do you feel the following way in your mathematics class? Fill in one oval on each line.

<table>
<thead>
<tr>
<th>Never or hardly ever</th>
<th>Sometimes</th>
<th>Often</th>
<th>Always or almost always</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. I have a clear understanding of what my mathematics teacher is asking me to do.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>b. The mathematics work is too easy.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>c. The mathematics work is challenging.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>d. The mathematics work is engaging and interesting.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>e. I am learning mathematics.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
10. How often do you use these different types of calculators in your mathematics class? Fill in one oval on each line.

- Basic four-function (addition, subtraction, multiplication, division)
- Scientific (not graphing)
- Graphing

11. How often do you use a calculator to perform the following tasks for the mathematics course you are currently taking? Fill in one oval on each line.

- To perform basic numeric operations
- To graph equations or inequalities
- To evaluate functions (e.g., exponential, logarithmic, trigonometric)
- To calculate probabilities or statistical measures
- To create statistical representations (charts and graphs, etc.)
- To use a computer algebra system (CAS)
- To perform matrix operations
- To perform business/financial calculations
- To explore geometric concepts
12. When you take a mathematics test or quiz, how often do you use a calculator?

☐ Never

☐ Sometimes

☐ Always

13. When you are doing mathematics for school or homework, how often do you use these different types of computer programs? Fill in one oval on each line.

<table>
<thead>
<tr>
<th>Type of Program</th>
<th>Never or hardly ever</th>
<th>Once every few weeks</th>
<th>About once a week</th>
<th>Two or three times a week</th>
<th>Every day or almost every day</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. A spreadsheet program</td>
<td>A</td>
<td>B</td>
<td>C</td>
<td>D</td>
<td>E</td>
</tr>
<tr>
<td>b. A database program</td>
<td>A</td>
<td>B</td>
<td>C</td>
<td>D</td>
<td>E</td>
</tr>
<tr>
<td>c. A mathematics tutorial program</td>
<td>A</td>
<td>B</td>
<td>C</td>
<td>D</td>
<td>E</td>
</tr>
<tr>
<td>d. A graphing program</td>
<td>A</td>
<td>B</td>
<td>C</td>
<td>D</td>
<td>E</td>
</tr>
<tr>
<td>e. A statistical program</td>
<td>A</td>
<td>B</td>
<td>C</td>
<td>D</td>
<td>E</td>
</tr>
<tr>
<td>f. A dynamic geometry program</td>
<td>A</td>
<td>B</td>
<td>C</td>
<td>D</td>
<td>E</td>
</tr>
<tr>
<td>g. A computer algebra system (CAS)</td>
<td>A</td>
<td>B</td>
<td>C</td>
<td>D</td>
<td>E</td>
</tr>
</tbody>
</table>
14. How often do you use e-mail, instant messages, blogs, or text messages to do any of the following? Fill in one oval on each line.

<table>
<thead>
<tr>
<th>Never or hardly ever</th>
<th>Once every few weeks</th>
<th>About once a week</th>
<th>Two or three times a week</th>
<th>Every day or almost every day</th>
</tr>
</thead>
</table>

a. Talk online with friends about mathematics work

b. Get help with mathematics from someone other than your teacher, family, classmates, or friends

15. What kind of calculator did you use for this test?

- I did not use a calculator for this test.
- NAEP-provided scientific calculator
- Scientific (not graphing) calculator
- Graphing calculator (with or without a computer algebra system [CAS])

16. How hard was this test compared to most other tests you have taken this year in school?

- Easier than other tests
- About as hard as other tests
- Harder than other tests
- Much harder than other tests

17. 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?

- Not as hard as on other tests
- About as hard as on other tests
- Harder than on other tests
- Much harder than on other tests

18. How important was it to you to do well on this test?

- Not very important
- Somewhat important
- Important
- Very important