

STUDENT ATTITUDES ABOUT MATHEMATICS INSTRUCTION

End of Course

DIRECTIONS: The statements in this survey have to do with your opinions and beliefs about the mathematics class you are currently taking in school and the importance of mathematics in your life. Please read each statement carefully, and circle the number that best expresses **your own** feelings.

Remember that this is not a test, and there are no “right” or “wrong” answers. Also, all of your responses will be kept strictly confidential; no one at your school will see your completed survey or have access to your answers. Please respond to every item.

1. To what extent do you agree or disagree with each of the following statements about mathematics? (*Circle one number on each line.*)

	Strongly disagree	Disagree	Not sure	Agree	Strongly agree
a. I enjoy mathematics	1	2	3	4	5
b. Mathematics is useful in everyday life	1	2	3	4	5
c. Mathematicians often don't have very good social skills	1	2	3	4	5
d. Doing mathematics often makes me feel nervous or upset.....	1	2	3	4	5
e. Mathematics challenges me to use my mind.....	1	2	3	4	5
f. The mathematics instruction that I have received will be helpful to me in the future	1	2	3	4	5
g. Mathematicians usually work with colleagues as part of a team.....	1	2	3	4	5
h. I am good at mathematics	1	2	3	4	5
i. Advancements in mathematics and science are largely responsible for the standard of living in the United States.....	1	2	3	4	5
j. I usually understand what we are doing in mathematics class.....	1	2	3	4	5
k. Knowing mathematics really doesn't help a person get a job.....	1	2	3	4	5
l. Mathematics is difficult for me	1	2	3	4	5
m. Working as a mathematician sounds pretty lonely to me	1	2	3	4	5
n. Studying hard in mathematics is not cool to do....	1	2	3	4	5
o. Even without a strong background in mathematics, I will probably end up with the kind of job I want	1	2	3	4	5
p. Overall, mathematics and science have caused more good than harm in our lives.....	1	2	3	4	5
q. I will probably take more advanced math courses available to me at this school.....	1	2	3	4	5

2. To what extent do you agree or disagree with each of the following statements about the students in the **mathematics class that you are currently taking?** (Circle one number on each line.)

Most of the students in my math class. . .	Strongly disagree	Disagree	Not sure	Agree	Strongly agree
a. Come to mathematics class prepared	1	2	3	4	5
b. Plan to go to college	1	2	3	4	5
c. Like mathematics	1	2	3	4	5
d. Do well in mathematics	1	2	3	4	5
e. Think doing mathematics is a waste of time	1	2	3	4	5
f. Think mathematics is important for their lives	1	2	3	4	5

3. Approximately how often did you engage in the following learning activities in the **mathematics class that you are currently taking?** (Circle one number on each line.)

	Never	1-2 times a month	1-2 times a week	Almost every class	Every class
a. Worked on hands-on activities, such as using manipulatives	1	2	3	4	5
b. Reflected on course material by writing in a notebook or journal.....	1	2	3	4	5
c. Used calculators or computers for learning, practicing skills, or solving problems	1	2	3	4	5
d. Worked individually on written work or assignments in a workbook or textbook.....	1	2	3	4	5
e. Critiqued/evaluated your own or other students' class work or homework.....	1	2	3	4	5
f. Considered a real-world problem relevant to the course and developed a plan to address it	1	2	3	4	5
g. Used primary sources such as academic or professional journals, to investigate current issues or new developments in math or technology.....	1	2	3	4	5
h. Listened to guest speakers or went on field trips relevant to the material studied in class.....	1	2	3	4	5
i. Explored possible career opportunities in mathematics or technology.....	1	2	3	4	5
j. Designed or implemented your own mathematical theory or proof.....	1	2	3	4	5

4. Have you engaged in each of the following activities **since this mathematics class began?** (Circle one number on each line.)

	Yes	No
a. Participated in a mathematics, science, or computer club.....	1	2
b. Visited a science museum.....	1	2
c. Watched mathematics or science TV shows (NOVA, Discovery Channel, Bill Nye the Science Guy, etc.).....	1	2
d. Read mathematics or science magazines or news articles	1	2
e. Collected information about careers in mathematics or science....	1	2

5. In general, what grades have you received in **this mathematics class?** (*Circle only one.*)

- Mostly Ds (below 70) 1
- Mostly Cs (around 70-80)..... 2
- Mostly Bs (around 80-90)..... 3
- Mostly As (around 90-100) .. 4
- Not sure 5

6. How much effort did you typically put into your work for **this mathematics class?** (*Circle only one.*)

- I didn't try at all 1
- I did just enough to get by..... 2
- I gave an average amount of effort 3
- I tried pretty hard, but not as hard as I could have... 4
- I worked as hard as I could 5

7. To what extent do you agree or disagree with each of the following statements **about your teacher in this mathematics class?** (*Circle one number on each line.*)

My mathematics teacher. . .	Strongly disagree	Disagree	Not sure	Agree	Strongly agree
a. Really enjoys teaching mathematics	1	2	3	4	5
b. Expects me to do my best at all times	1	2	3	4	5
c. Expects me to complete my assignments on time	1	2	3	4	5
d. Gives me extra help when I don't understand something in mathematics	1	2	3	4	5
e. Has encouraged me to think about a career in mathematics	1	2	3	4	5
f. Thinks it is very important that I do well in mathematics	1	2	3	4	5
g. Is a very good teacher.....	1	2	3	4	5
h. Clearly explains the course material.....	1	2	3	4	5
i. Makes mathematics exciting	1	2	3	4	5
j. Values my ideas and opinions.....	1	2	3	4	5

8. If you were to give your teacher an overall grade for "teaching mathematics," what grade would you give? (*Circle only one.*)

- Excellent..... A
- Good B
- Satisfactory C
- Needs improvement D
- Unsatisfactory F

9. How far do you expect you will go in school? (*Circle only one.*)

- Will not finish high school..... 1
- High school diploma 2
- Trade or vocational school..... 3
- Some college, but no degree..... 4
- 2-year (associate's) degree..... 5
- 4-year (bachelor's) degree 6
- Master's degree..... 7
- Ph.D. degree 8
- Other advanced degree (*specify*) 9
- Don't know 98

THANK YOU VERY MUCH FOR COMPLETING THIS SURVEY.