Station A

1. What is the equation of the line that passes through the point (6,1) and has a slope of -½?

2. What is the equation of the line that passes through the point (-5,-2) and has a slope of -6/5?

3. What is the equation of the line that passes through the point (6,-7) has a slope of 0?

Station B

4. What is the equation of the line that passes through the point (4,6) and has an undefined slope?

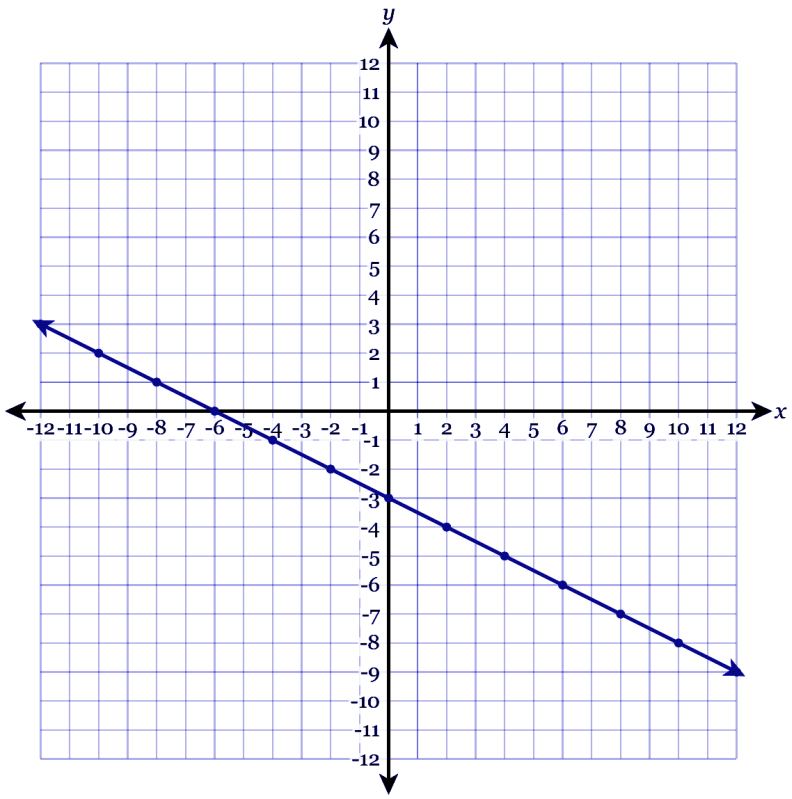
5. What is an equation of the line that passes through the points (−4,6) and (−2,0)?

6. What is an equation of the line that passes through the points (−6,−2) and (−3,3)?

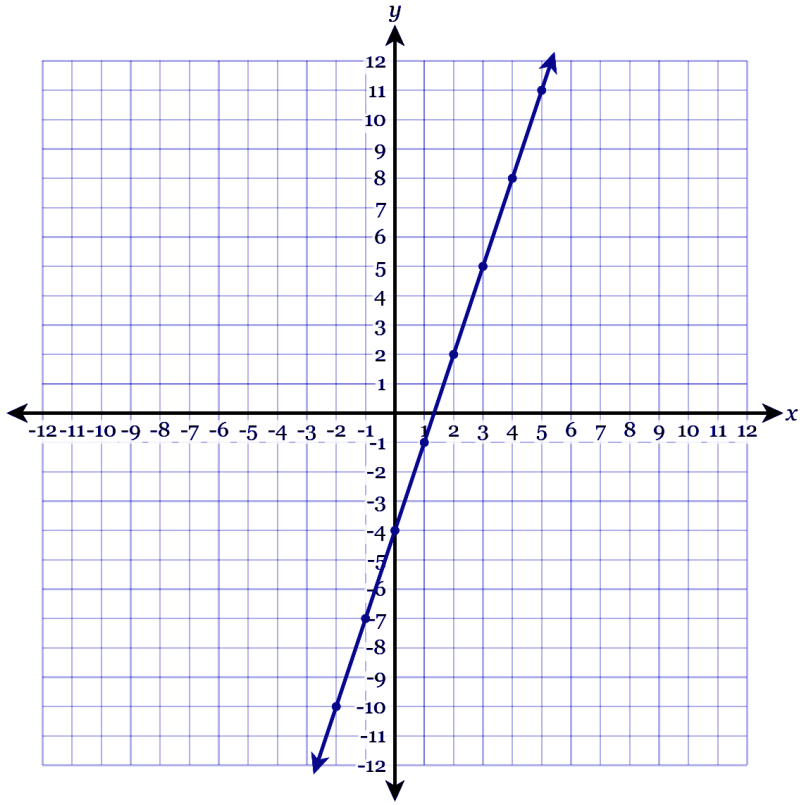
Station C

Write the equation of the line in fully simplified slope-intercept form.

7.

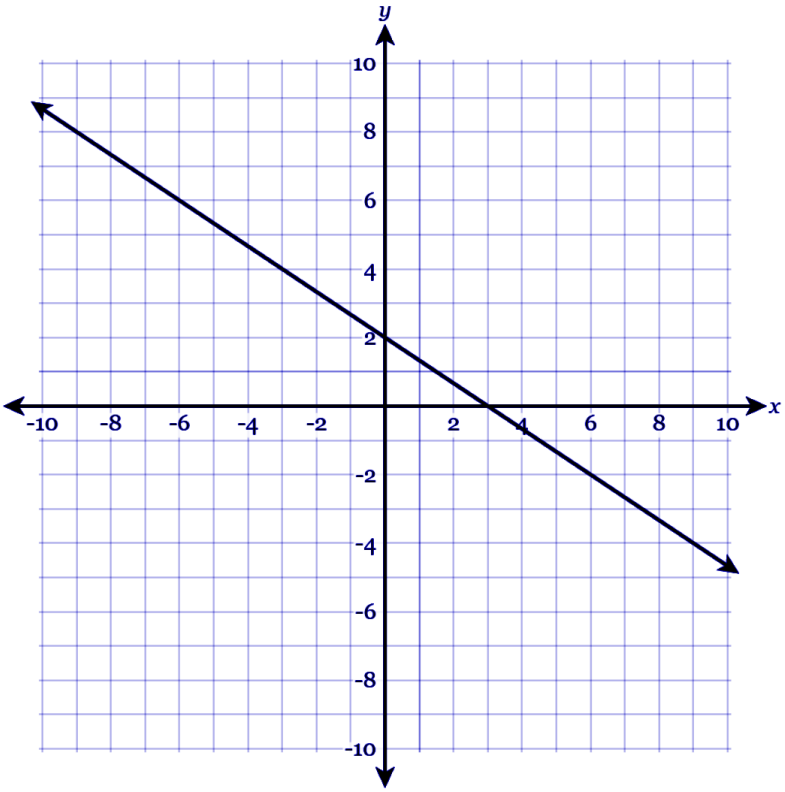


8.



Station C

Which of the following equations does the graph represent?



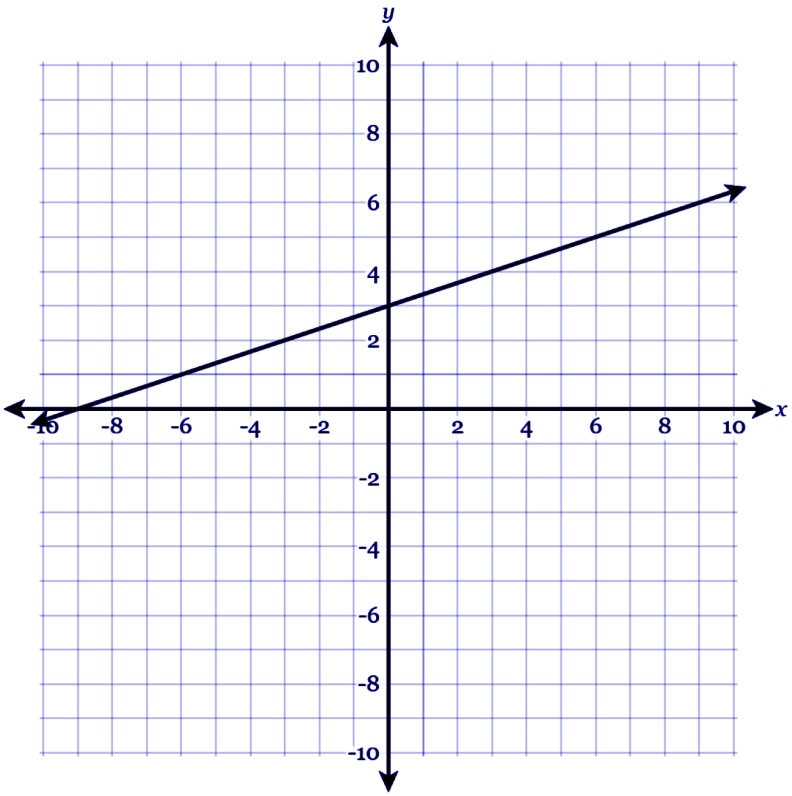
9.

A. $2x + 3y = 6$

B. $3x + 2y = 6$

C. $-2x + 3y = 6$

D. $2x - 3y = 6$



10.

A. $-2x - 6y = 18$

B. $2x + 6y = 18$

C. $-2x + 6y = 18$

D. $-2x + y = 18$

Station D

Put the following equation of a line into slope-intercept form, simplifying all fractions.

11. $3y - 3x = -27$

12. $6x - 3y = 15$

Put the following equation of a line into standard form.

13. $y = -\frac{2}{3}x - 9$

14. $y = \frac{1}{5}x - 3$

Station E

Write the equation of the line in slope-intercept form that represents each table.

15.

x	y
2	5
4	13
7	25
9	33

16.

x	y
4	1
6	0
8	-1
10	-2

Station F

Use the number from the box to complete the scenarios shown below.

-3	-1	2	8

17. The line through (2, _____) and (5, _____) has a slope of -2.

18. The line through (2, _____) and (5, _____) has a slope of 2.

19. The line through (2, _____) and (5, _____) has a slope of 3.

Station G

20. Find the domain.

(0, −8), (7, 7), (−5, −2), (−3, −9)

21. Find the range.

(−4, 7), (10, 0), (8, 0), (2, 0)

22. Find the domain and range.