

A.3A Slope of a Line Given a Table, Graph, Two Points, or Equation  
Assignment

Some questions (c) 2017 by The Texas Education Agency.

Some questions (c) 2017 by Region 10 Educational Service Center.

Some questions (c) 2017 by TEKS Resource System.

1 What is the slope of the graph of  $y = 12x - 19$ ?

2 What is the slope of the graph of the line that is represented by the equation below?

$$c = -6b + 8$$

3 What is the slope of the line represented by  $5x - 12y = 24$ ?

A -2

B  $\frac{24}{5}$

C -12

D  $\frac{5}{12}$

4 What is the slope of the line defined by the equation  $3x - 2y = 10$  ?

A  $\frac{3}{2}$

B  $-\frac{2}{3}$

C  $-\frac{3}{2}$

D  $\frac{2}{3}$

5 What is the slope of the line that passes through the points  $(5, -11)$  and  $(-9, 17)$ ?

6 What is the slope of the line that passes through the points  $M (-3, 5)$  and  $N (1, 8)$ ?

A  $\frac{3}{4}$

B  $-\frac{4}{3}$

C  $-\frac{3}{4}$

D  $\frac{4}{3}$

7 What is the slope of the line that passes through the points  $(26, 7)$  and  $(-39, 12)$ ?

A  $-\frac{1}{13}$

B  $\frac{5}{13}$

C  $-13$

D  $\frac{13}{5}$

- 8 What is the slope from the following table of values?

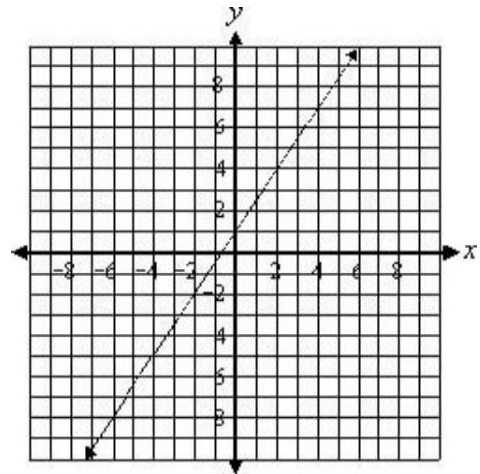
$x$	$y$
1	5
0	3
-1	1

- 9 The table below shows the profit earned from ticket sales at a recent football game.

Tickets sold	Profit (in dollars)
50	162.50
100	325.00
150	487.50
200	650.00

What is the slope of the line on which these values would fall? Represent your answer with a decimal.

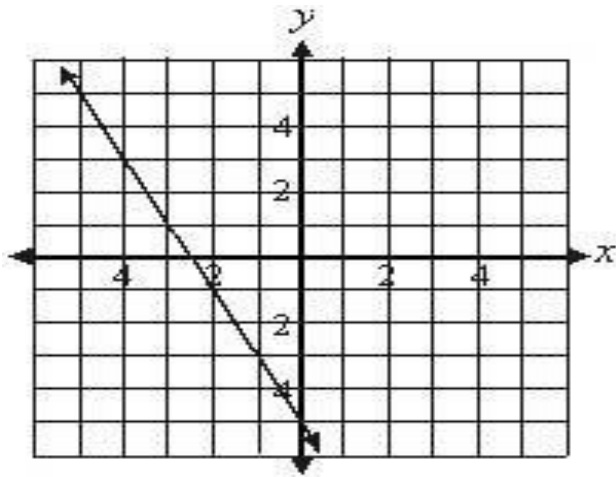
- 10 The graph below represents a linear function.



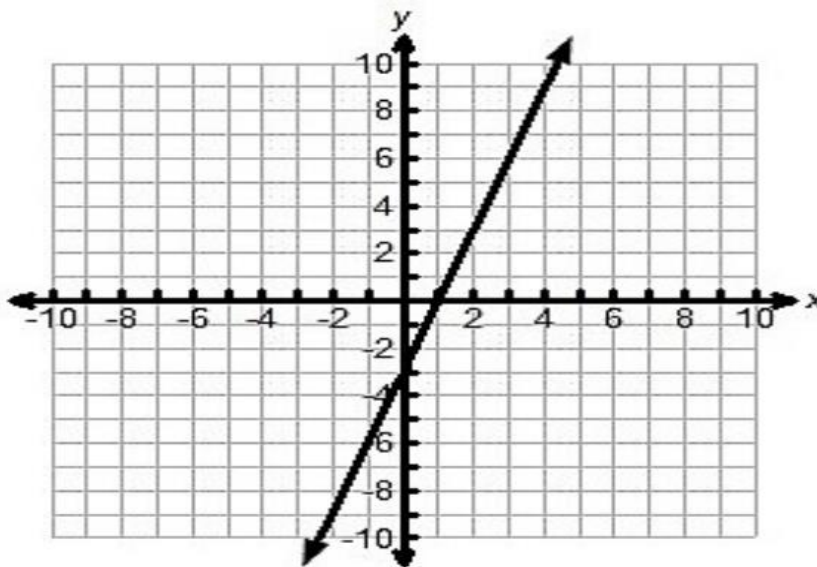
Which of the following best represents the slope of the line shown above?

- A  $-\frac{3}{2}$
- B  $-\frac{2}{3}$
- C  $\frac{2}{3}$
- D  $\frac{3}{2}$

**11** What is the slope of the line shown below?

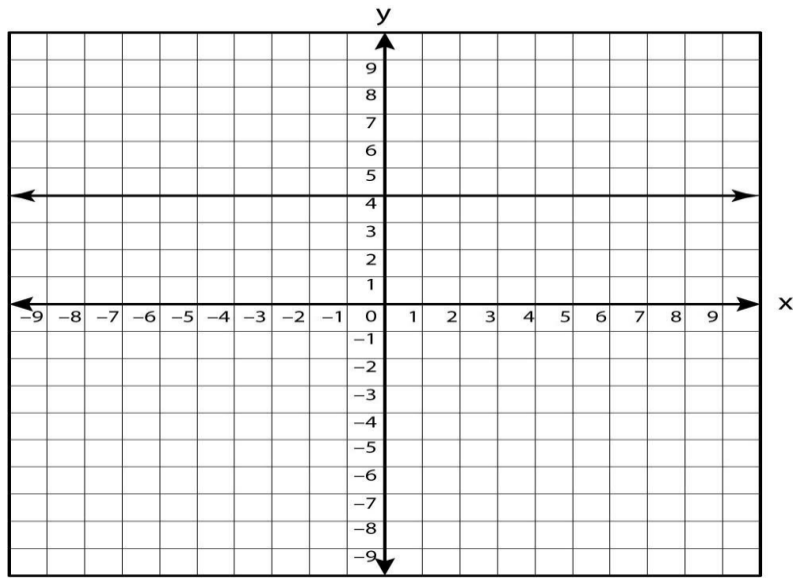


**12** The graph of a linear function is shown below.



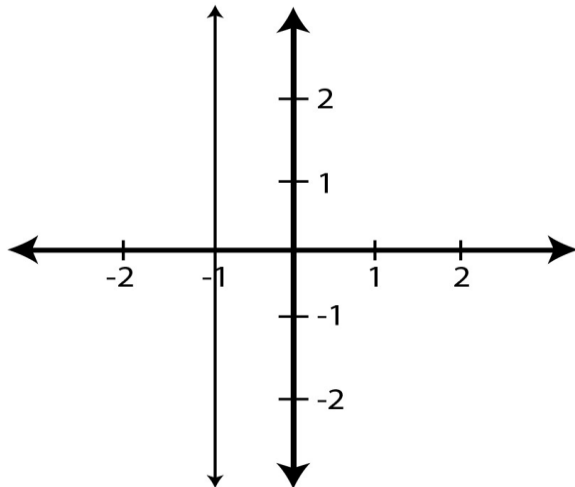
What is the slope of the line represented by the graph?

13



What is the slope of the graph above?

14 What is the slope of line graph below?



- A -1
- B 0
- C 1
- D undefined