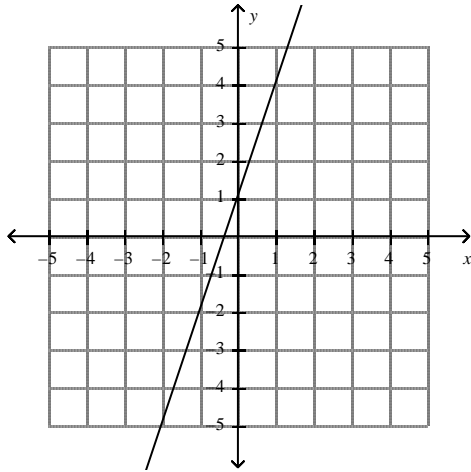


CA Grade 7 Standard 7.AF.3.3

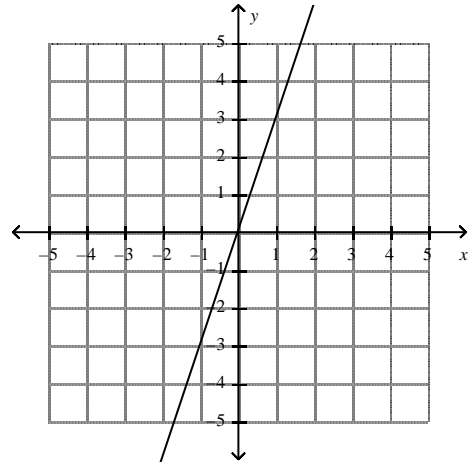
MULTIPLE CHOICE

1. Which is the graph of $y = 3x + 1$?

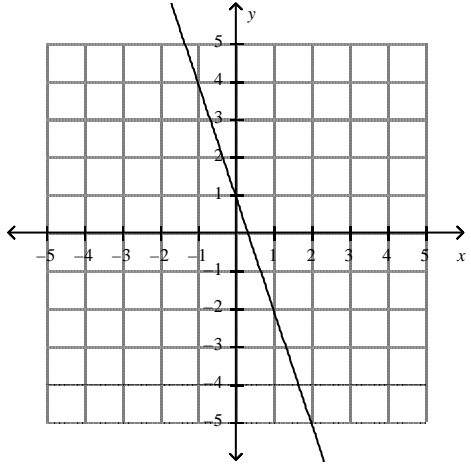
A.



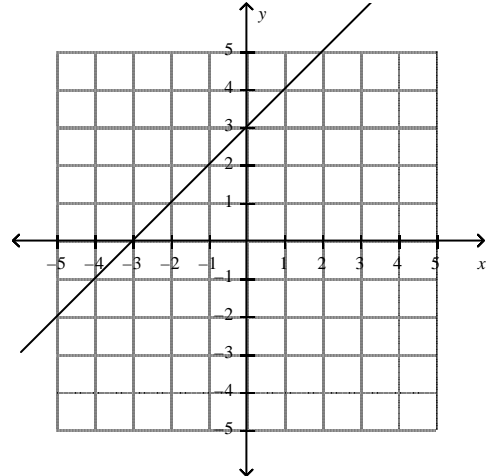
C.



B.



D.



2. What is the slope of a line passing through points $(0, 0)$ and $(4, 6)$?

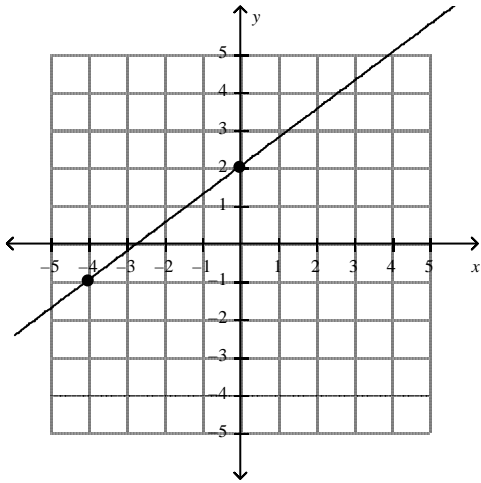
A. $\frac{2}{3}$

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

B. 2

D. 3

3. What is the slope of the line shown below?



- A. $\frac{1}{3}$
- B. $\frac{3}{4}$

- C. 2
- D. 4

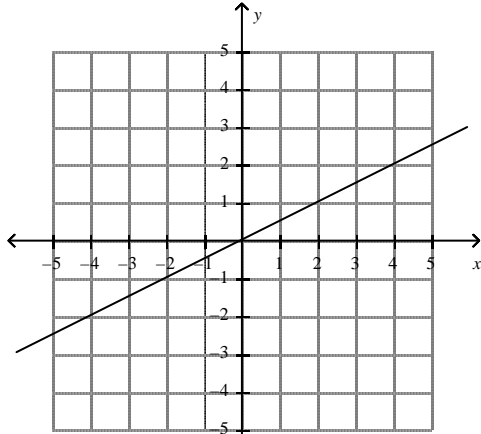
4. What describes the ratio of the slope of a line?

- A. $\frac{\text{rise}}{\text{run}}$
- B. $\frac{\text{run}}{\text{rise}}$

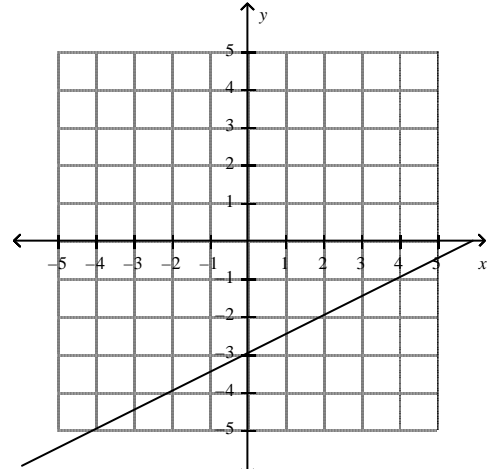
- C. $\frac{x}{y}$
- D. $\frac{\text{length}}{\text{width}}$

5. Which is the graph of $y = \frac{1}{2}x - 3$?

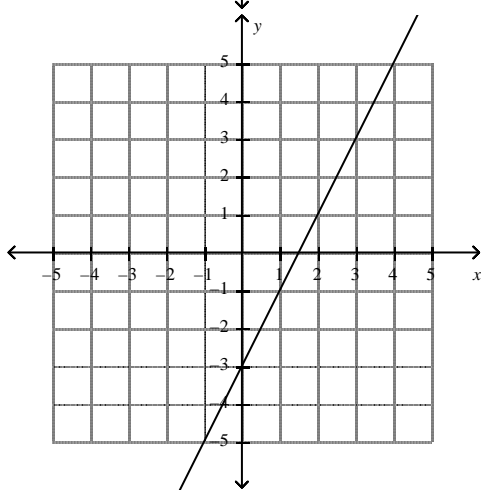
A.



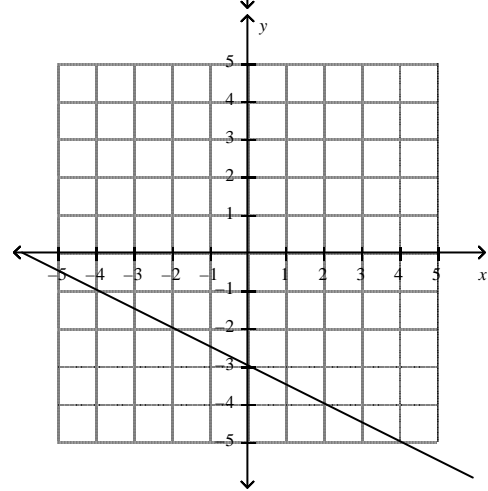
C.



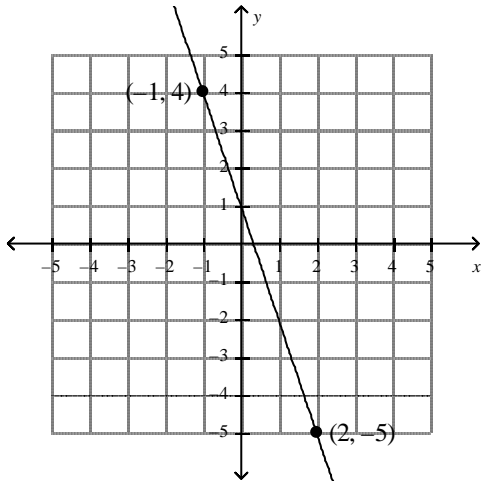
B.



D.



6. What is the slope of the line shown below?



A. -3

B. $-\frac{1}{3}$

C. $\frac{1}{3}$

D. 3

7. The slope of a line is $\frac{2}{3}$. One point on the line is $(1, 1)$. Which of the following points is also on the line?

A. $(3, 4)$

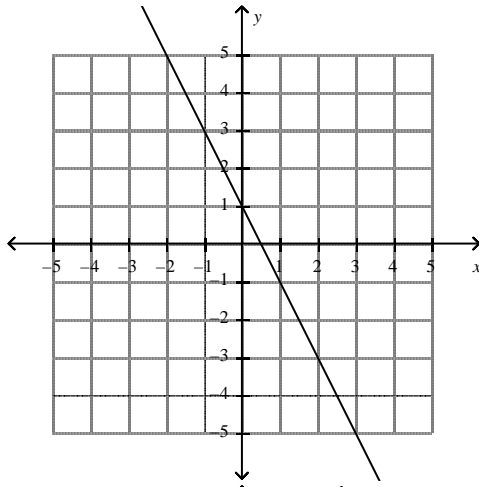
B. $(4, 2)$

C. $(4, 3)$

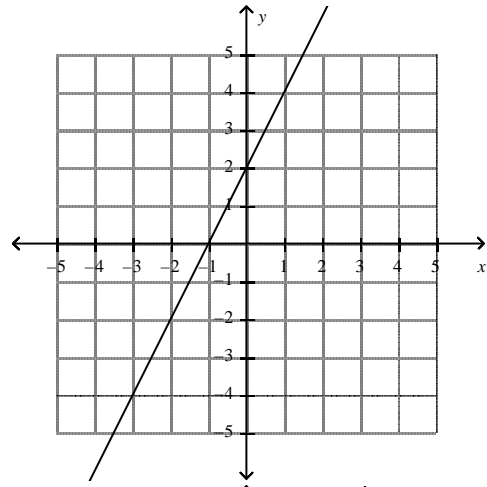
D. $(-1, -2)$

8. Which is the graph of $y = 2x$?

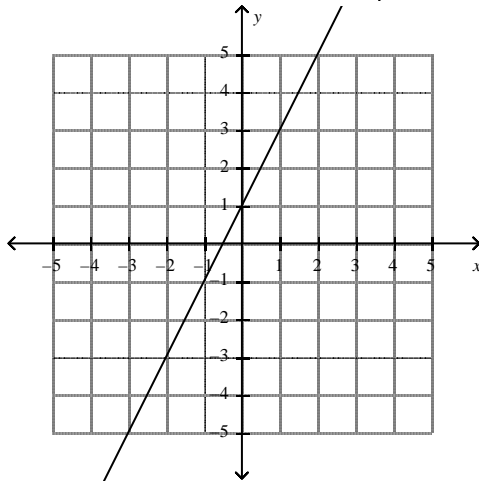
A.



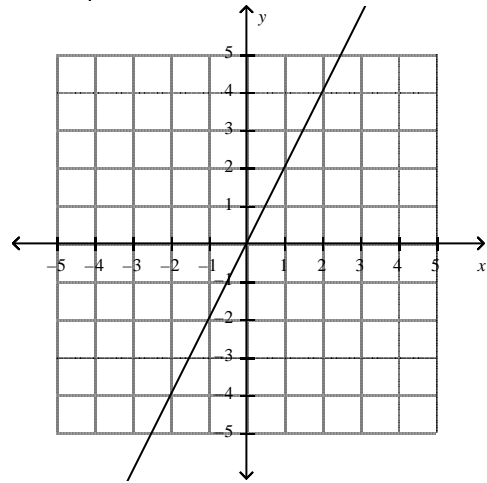
C.



B.



D.



9. What does the slope of a line represent?

- A. length of the line
- B. distance from the origin

- C. steepness on the line
- D. intersection of the line and the y-axis

10. Which of the following statements is true about the slope of a line?

- A. The slope of a line is never a fraction.
- B. The slope of a line is always positive.
- C. The slope of a line is the ratio of the change in y -values of two points on the line to the change in x -values of the same two points on the line.
- D. The slope of a line is the ratio of the change in x -values of two points on the line to the change in y -values of the same two points on the line.