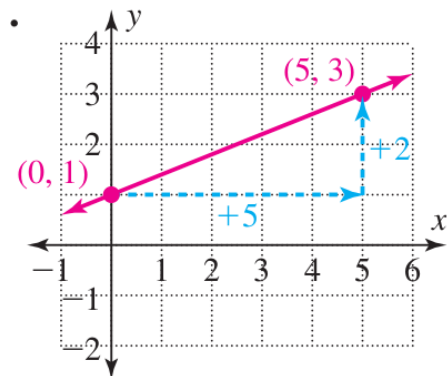


1. Write the equation of the line graphed below in slope-intercept form $f(x) = mx + b$.



A. $f(x) = -\frac{5}{2}x + 1$

B. $f(x) = \frac{2}{5}x - 1$

C. $f(x) = \frac{2}{5}x + 1$

D. $f(x) = -\frac{2}{5}x + 1$

E. $f(x) = -\frac{2}{5}x - 1$

F. $f(x) = \frac{5}{2}x - 1$

G. $f(x) = -\frac{5}{2}x - 1$

H. $f(x) = \frac{5}{2}x + 1$

2. Determine the slope and y -intercept of the line $4x - 4y = 6$.

A. The slope is $(0, -\frac{3}{2})$ and the y -intercept is 2.

B. The slope is $(0, 2)$ and the y -intercept is $-\frac{3}{2}$.

C. The slope is $(0, -\frac{3}{2})$ and the y -intercept is $\frac{1}{2}$.

D. The slope is 2 and the y -intercept is $(0, -\frac{3}{2})$.

E. The slope is $-\frac{3}{2}$ and the y -intercept is $(0, \frac{1}{2})$.

F. The slope is $-\frac{3}{2}$ and the y -intercept is $(0, 2)$.

G. The slope is 1 and the y -intercept is $(0, -\frac{3}{2})$.

H. The slope is $(0, \frac{1}{2})$ and the y -intercept is $-\frac{3}{2}$.

3. Calculate the slope m of a line passing through the points in the table:

x	y
0	2.5
1	7.5
2	12.5
3	17.5
4	22.5

A. Undefined

B. 5

C. $\frac{11}{2}$

D. $\frac{19}{4}$

E. $\frac{17}{4}$

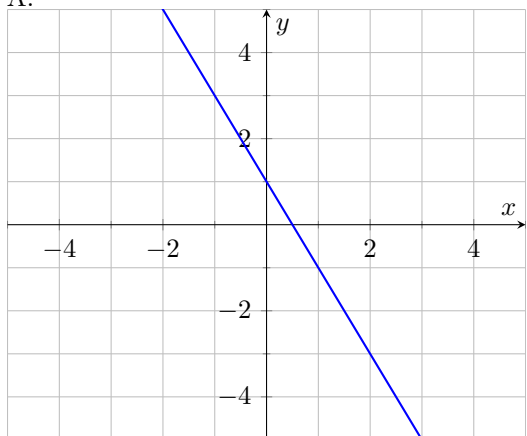
F. $\frac{17}{3}$

G. $\frac{23}{4}$

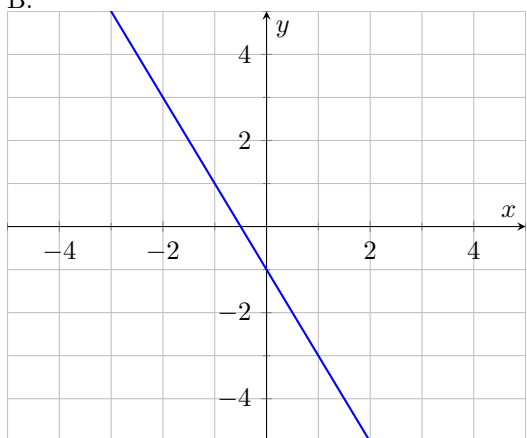
H. $\frac{9}{2}$

4. Find the x and y -intercept of the line $4x + 2y = -2$ and use this information to plot a graph of this line.

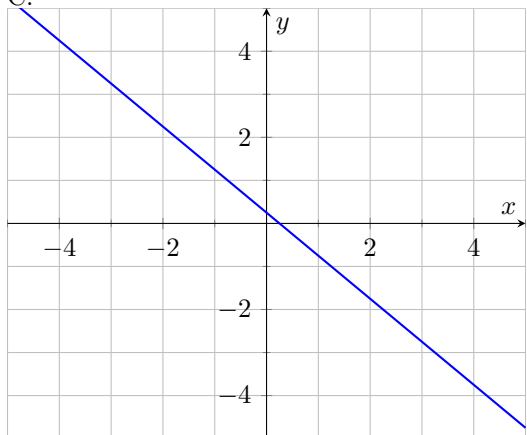
A.



B.

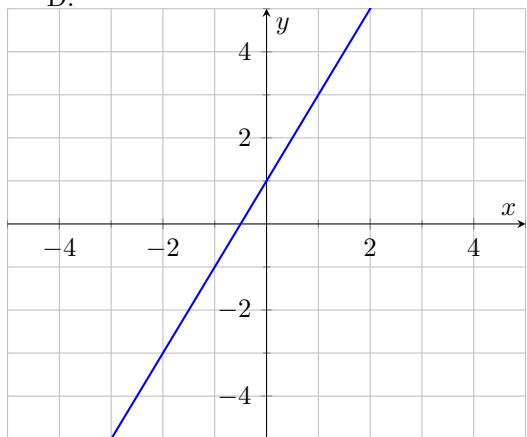


C.

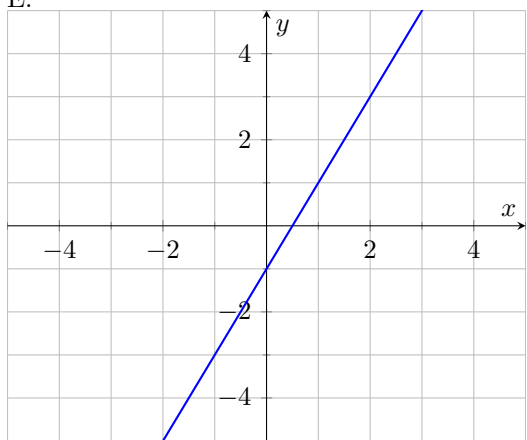


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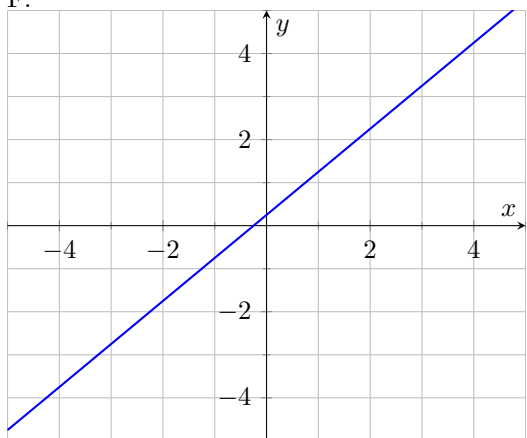
D.



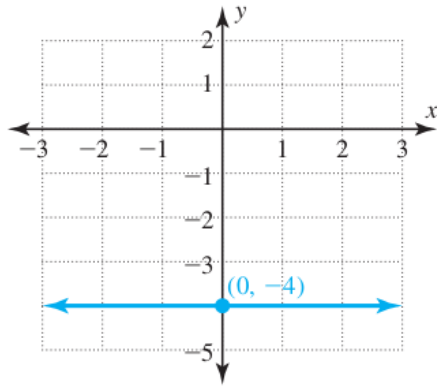
E.



F.



5. Write the equation of the line.



- A. $y = \frac{2}{7}x - 2$
- B. $y = -\frac{2}{7}x + 2$
- C. $y = -\frac{2}{7}x - 2$
- D. $y = 0$
- E. $x = -4$
- F. $x = 0$
- G. $y = \frac{2}{7}x + 2$
- H. $y = -4$

6. Use the given table of values for a linear function to determine the equation of this line in slope-intercept

x	y
1	7
2	10
3	13
4	16

- A. The equation of the line is $f(x) = 3x - 3$.
- B. The equation of the line is $f(x) = -3x + 5$.
- C. The equation of the line is $f(x) = 3x + 4$.
- D. The equation of the line is $f(x) = -3x + 2$.
- E. The equation of the line is $f(x) = 3x + 3$.
- F. The equation of the line is $f(x) = 3x$.
- G. The equation of the line is $f(x) = -3x - 5$.

7. Find the x and y -intercept of the line $2x + 5y = 8$.

A. The x -intercept is $(4, 0)$ and the y -intercept is $(1.6, 0)$.

B. The x -intercept is $(1.6, 4)$ and the y -intercept is $(4, 1.6)$.

C. The x -intercept is $(4, 1.6)$ and the y -intercept is $(1.6, 4)$.

D. The x -intercept is $(4, 0)$ and the y -intercept is $(0, 1.6)$.

E. The x -intercept is $(0, 4)$ and the y -intercept is $(0, 1.6)$.

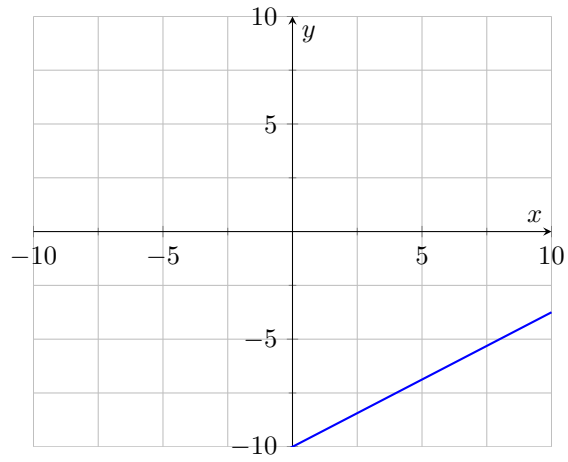
F. The x -intercept is $(0, 1.6)$ and the y -intercept is $(4, 0)$.

G. The x -intercept is $(1.6, 0)$ and the y -intercept is $(0, 4)$.

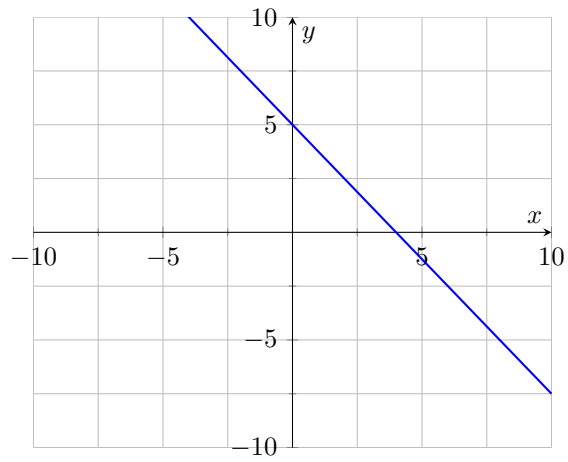
H. The x -intercept is $(0, 4)$ and the y -intercept is $(1.6, 0)$.

8. Find the x and y -intercept of the line $\frac{x}{4} + \frac{y}{5} = 1$ and use this information to plot a graph of this line.

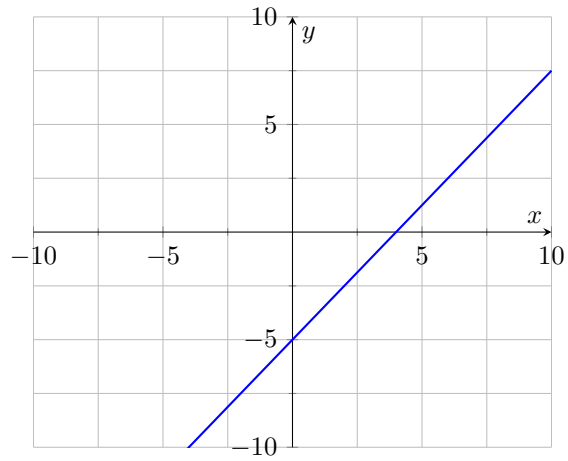
A.



B.

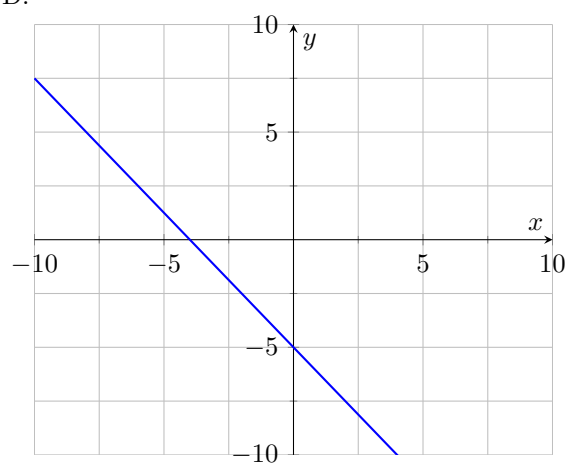


C.

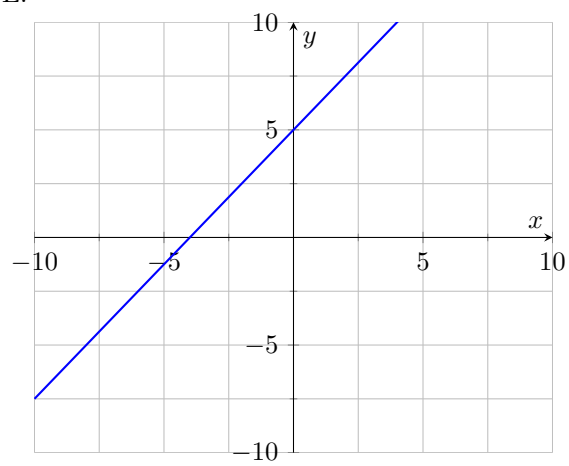


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D.



E.



F.

