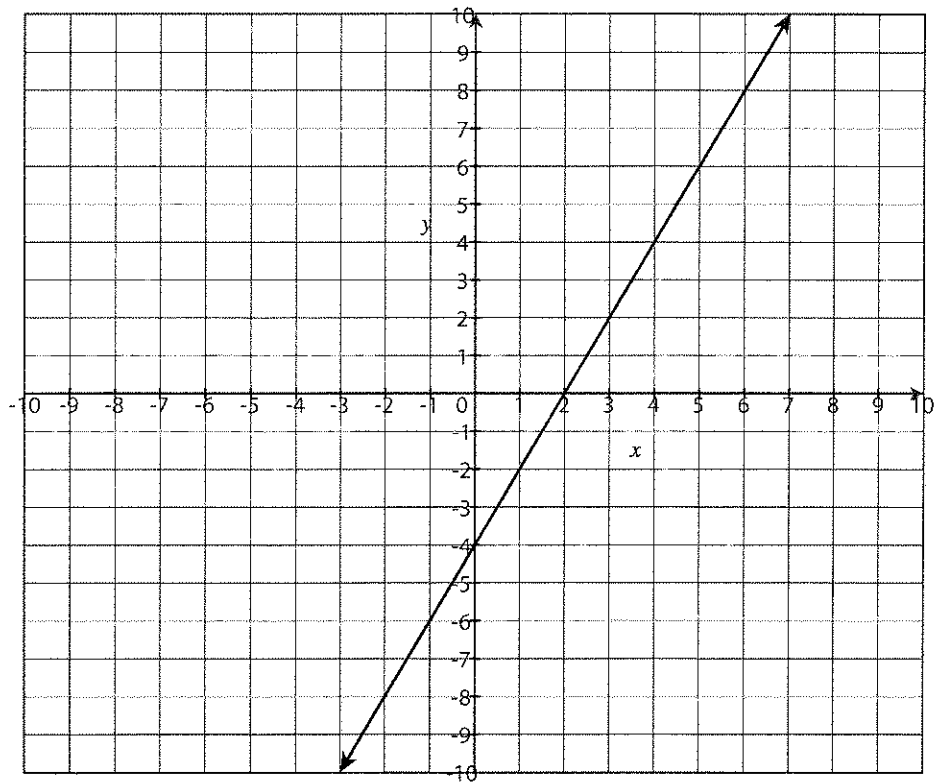


14. What is the solution to the system $\begin{cases} 4x - 6y = 42 \\ x + 6y = 48 \end{cases}$?
- (5, 18)
 - (18, 5)
 - There are infinitely many solutions to this system of equations.
 - There are no solutions to this system of equations.

15. Which of the following is true at the intersection of $y = f(x)$ and $y = g(x)$?
- $f(x) = g(x)$
 - $x = 0$
 - $f(x) = 0$
 - $g(x) < f(x)$

16. If $f(x) = 3x - 5$ and the domain of f is $\{2, 4, 6\}$, what is the range of $f(x)$?
- $\{11, 17, 20\}$
 - $\{-6, -4, -2\}$
 - $\{2, 4, 6\}$
 - $\{1, 7, 13\}$

17. Given the graph below, what is $f(6)$?



- $f(6) = 5$
- $f(6) = 8$
- $f(6) = -4$
- $f(6) = 0$

18. How does increasing the slope in a linear function change the graph of the line?
- a. The line rises more steeply.
 - b. The line is less steep.
 - c. The y -intercept increases.
 - d. The y -intercept decreases.
19. L. Your car broke down, and the final bill was \$261.50. The part that was replaced cost \$99, and the charge for the mechanic's labor is \$65 per hour. Write an equation to model this situation, then solve the equation for the number of hours the mechanic worked on your car.
20. A photographer sells large photos for a \$27 profit and small photos for an \$11 profit. This past year, she sold 126 photos and made a profit of \$2,250. How many of each size photo did she sell?