MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

Complete the ordered pairs for the given linear equation. Then plot the points and graph the equation by connecting the points.

1) \( y = 2x - 6 \)

\((0, \quad ), (1, \quad ), (-1, \quad )\)

A) \((0, -6), (1, -4), (-1, -8)\)

B) \((0, 6), (1, 8), (-1, 4)\)

C) \((0, -6), (1, -8), (-1, -4)\)

D) \((0, 0), (1, -6), (-1, 6)\)

Graph the linear equation.
2) \( x = 4 \)
3) $y = 2x$

A)

B)

C)

D)
4) \( x - 3y = -5 \)
5) \( y = -\frac{1}{6}x - 6 \)
Identify the intercepts.

6)

Graph the linear equation by finding and plotting its intercepts.

7) $4y - 2x = -10$

A) $(0, \frac{5}{2}), (5, 0)$

B) $(0, -\frac{5}{2}), (-5, 0)$
C) \((0, \frac{5}{2}), (-5, 0)\)

D) \((0, -\frac{5}{2}), (5, 0)\)
8) \(2x - 6y = 6\)

A) \((0, -1), (3, 0)\)

B) \((0, -1), (3, 0)\)

C) \((0, 1), (-3, 0)\)

D) \((0, 1), (3, 0)\)
Graph the linear equation.

9) $y = 4$
10) \( x = -\frac{1}{2} \)
State whether the slope of the line is positive, negative, 0, or is undefined.

11) A) positive   B) negative   C) 0   D) undefined

12) A) positive   B) negative   C) 0   D) undefined

13) A) positive   B) negative   C) 0   D) undefined
Find the slope of the line that passes through the points.

14) (-8, -7) and (-1, 7)
   A) \( \frac{1}{2} \)  B) -2  C) 2  D) 0

15) (-9, -4) and (-16, -8)
   A) \( \frac{4}{7} \)  B) \( \frac{12}{25} \)  C) \( \frac{7}{4} \)  D) \( -\frac{4}{7} \)

16) Use two points on the graph to find the slope of the line.

17) A) -\( \frac{1}{2} \)  B) -2  C) 2  D) \( \frac{1}{2} \)

18) \( y = 10 \)
   A) \( m = 10 \)  B) \( m = 3 \)  C) \( m = 1 \)  D) \( m = 0 \)

19) \( x + y = -5 \)
   A) \( m = -1 \)  B) \( m = 5 \)  C) \( m = 0 \)  D) \( m = 1 \)
20) $2x + y = -5$
   A) $m = -\frac{2}{5}$  
   B) $m = -2$  
   C) $m = -\frac{1}{2}$  
   D) $m = 2$

21) $10x - 2y = 20$
   A) $m = 5$  
   B) $m = 10$  
   C) $m = -5$  
   D) $m = \frac{1}{5}$

22) $x = -5$
   A) $m = -5$  
   B) $m = 5$  
   C) $m = 0$  
   D) undefined slope