

16. $|3b - 5| \leq 7$

$$3b - 5 \leq 7$$

$$\begin{array}{r} 3b - 5 \leq 7 \\ +5 \quad +5 \\ \hline 3b \leq 12 \end{array}$$

$$\begin{array}{r} 3b \leq 12 \\ \hline b \leq 4 \end{array}$$

$$b \leq 4$$

$$3b - 5 \geq -7$$

$$\begin{array}{r} 3b - 5 \geq -7 \\ +5 \quad +5 \\ \hline 3b \geq -2 \end{array}$$

$$\begin{array}{r} 3b \geq -2 \\ \hline b \geq -\frac{2}{3} \end{array}$$

$$b \geq -\frac{2}{3}$$

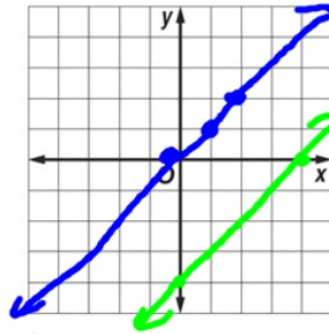
and

$$-\frac{2}{3} \leq b \leq 4$$

18. Use a graph to determine whether the system $x - y = 4$ and $y = x$ has *no* solution, *one* solution, or *infinitely many* solutions.

$$\begin{array}{r} x \\ 4 \overline{) 0} \\ \underline{0} \\ 0 \end{array}$$

$$\begin{array}{r} x \\ 2 \overline{) 2} \\ \underline{2} \\ 0 \end{array}$$



For Questions 19-22, determine the best method to solve each system of equations. Then solve the system.

19. $x + y = 2$
 $y = 2x - 1$

$$\begin{array}{r} x + (2x - 1) = 2 \\ 3x - 1 = 2 \\ \underline{+1} \quad \underline{+1} \\ 3x = 3 \\ \underline{\div 3} \\ x = 1 \end{array}$$

21. $3x + y = 26$
 $3x + 3y = 18$

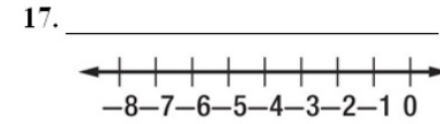
$$\begin{array}{r} 3x = 26 - y \\ \underline{\div 3} \\ x = \frac{26 - y}{3} \end{array}$$

20. $-x - 5y = 7$
 $x + y = 1$

$$\begin{array}{r} -x - 5y = 7 \\ \underline{+x + y = 1} \\ -4y = 8 \\ \underline{\div -4} \\ y = -2 \\ x = 3 - y = 3 - (-2) = 5 \end{array}$$

22. $4x - 8y = 52$
 $7x + 4y = 1$

$$\begin{array}{r} 4x - 8y = 52 \\ \underline{+7x + 4y = 1} \\ 11x - 4y = 53 \\ \underline{+11x - 4y = 53} \\ 18x = 54 \\ \underline{\div 18} \\ x = 3 \end{array}$$



18. _____

19. $(1, 1)$

20. $(3, -2)$

21. _____

22. $(3, -5)$

2. _____

$$\begin{array}{r} 4y = -20 \\ \underline{\div 4} \\ y = -5 \end{array}$$