

Notes for 2nd half of Review 1

$$\textcircled{1} \begin{array}{r} 5x - 3 = 7 \\ +3 \quad +3 \\ \hline 5x = 10 \\ \frac{5x}{5} = \frac{10}{5} \\ x = 2 \end{array}$$

$$\frac{5x}{5} = \frac{10}{5}$$

$$x = 2$$

$$\textcircled{2} \begin{array}{r} 12 = 4 - \frac{2}{3}y \\ -4 \quad -4 \\ \hline 8 = -\frac{2}{3}y \end{array}$$

$$\left(-\frac{3}{2}\right)8 = \left(-\frac{3}{2}\right)\left(-\frac{2}{3}y\right)$$

$$-12 = y$$

$$-12 = y$$

$$12 = 4 - \frac{2}{3}y$$

$$\textcircled{3} 8 = -\frac{2}{3}y \left(\frac{3}{3}\right)$$

$$\frac{24}{-2} = \frac{-2y}{-2}$$

$$-12 = y$$

$$\textcircled{3} 3m - 5 = 17 - (m+1)$$

$$3m - 5 = 17 - m - 1$$

$$3m - 5 = 16 - m$$

$$+5 \quad +5$$

$$3m = 21 - m$$

$$+m \quad +m$$

$$4m = 21$$

$$m = \frac{21}{4}$$

$$y = mx + b$$

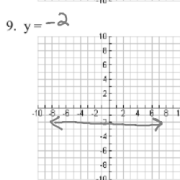
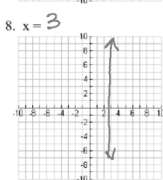
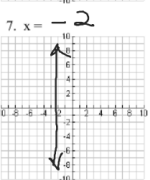
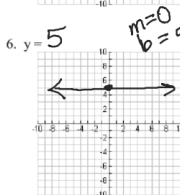
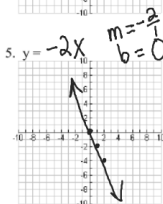
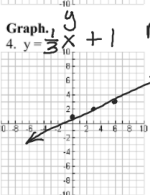
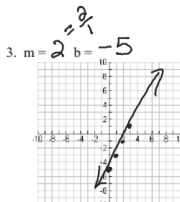
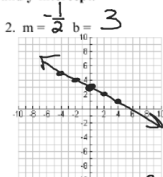
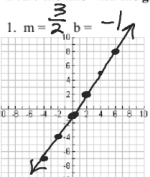
m = slope

b = y-intercept

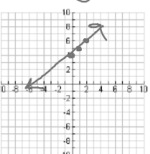
Algebra II
Beginning Review 3

Name: _____
Period: _____

Draw the line with the given slope and y-intercept.



Solve for y, then graph.



14. $9x - 3y = 6$ $m = \frac{3}{1}$ $b = -2$

$$\begin{array}{r} 9x - 3y = 6 \\ -3y = -9x + 6 \\ \hline y = 3x - 2 \end{array}$$

15. $6x + 2y = -5$ $m = -3$ $b = -\frac{5}{2}$ $b = -2.5$

$$\begin{array}{r} 6x + 2y = -5 \\ 2y = -6x - 5 \\ \hline y = -3x - \frac{5}{2} \end{array}$$

