

Algebra 1 Review Ch. 5

Quiz today 5.5-5.6

Test is Thurs.

whiteboards

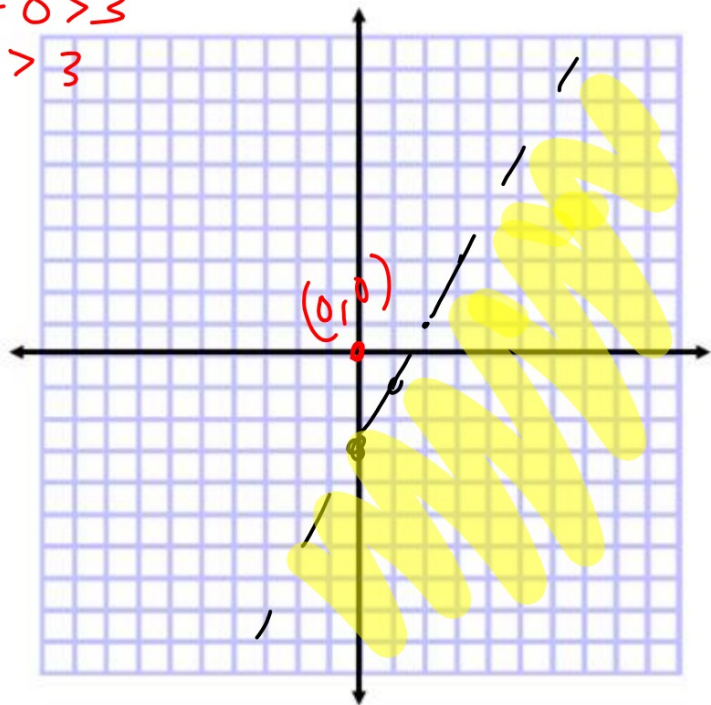
Example 6

Graph $2x - y > 3$.

$$\begin{array}{r} 2x - y = 3 \\ -2x \quad -2x \\ \hline -y = -2x + 3 \\ \frac{-1}{-1} \quad \frac{-1}{-1} \quad \frac{-1}{-1} \end{array}$$

$$y = 2x - 3$$

$$\begin{array}{l} 2 \cdot 0 - 0 > 3 \\ 0 - 0 > 3 \\ 0 > 3 \end{array}$$



Example 3

Solve $-6y - 13 > 29$. Check your solution.

$$\begin{array}{r} +13 \quad +13 \\ \hline \end{array}$$

$$\begin{array}{r} -6y > 42 \\ \hline -6 \quad -6 \end{array}$$

$$y < -7$$

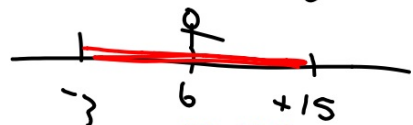


$$\begin{aligned} -6 \cdot -10 - 13 &> 29 \\ 60 - 13 &> 29 \\ \therefore 47 &> 29 \end{aligned}$$

Example 5

Solve $|x - 6| < 9$. Then graph the solution set.

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

$$\begin{array}{r} x - 6 = 9 \\ +6 \quad +6 \\ \hline x = 15 \end{array}$$


$-3 < x < 15$

$$44. |-k-7| \geq 4$$

$$\frac{-k-7}{+7} = \frac{-4}{+7}$$

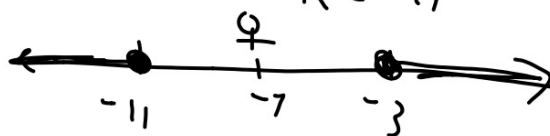
$$\frac{-k}{-1} = \frac{3}{-1}$$

$$k = -3$$

$$\frac{-k-7}{+7} = \frac{4}{+7}$$

$$\frac{-k}{-1} = \frac{11}{-1}$$

$$k = -11$$



$$k \leq -11 \text{ or } k \geq -3$$

$$k \leq -11 \text{ or } k \geq -3$$

$$y \leq \frac{1}{1}x + 5$$

$$0 \leq 1 \cdot 0 + 5$$

$$0 \leq 0 + 5$$

$$0 \leq 5$$

