

Algebra 1 Quiz 11.8.13

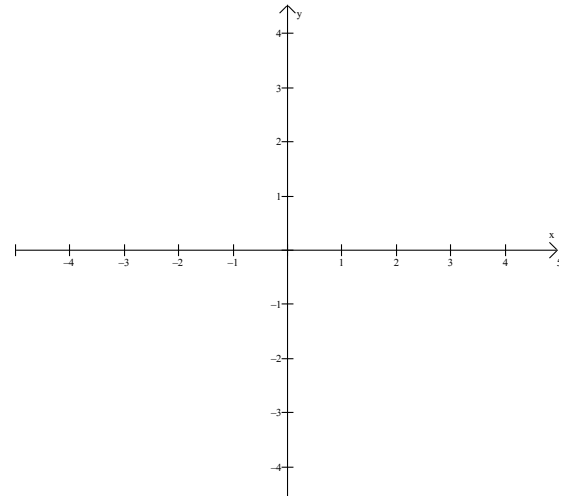
Version B

Exponent Pro _____
period _____

1) Simplify: $3(-5x + 4) - 7(4x - 3)$

2) Graph the linear inequality

$$y > -\frac{2}{3}x - 1$$



3) Solve the system of linear equations using *substitution*

$$\begin{aligned}y &= 6x - 5 \\ -x - y &= -9\end{aligned}$$

4) Simplify $-4x^3(x^2y^3)^4$

5) **Perimeter Question:** A rectangle garden has a length of $2x + 4$ and a width of $x - 2$ and a perimeter of 40 feet. What is the length and width of the garden to the nearest foot? (Draw a picture)

Bonus!! Simplify

$$\left(\frac{-6x^2y^{-4}}{2z^{-3}y}\right)^2$$