

4.7 Solving multi-step equations Practice

Date _____ Period _____

Solve each equation.

1) $-36 + 2x = -8(1 - 2x) - 7x$

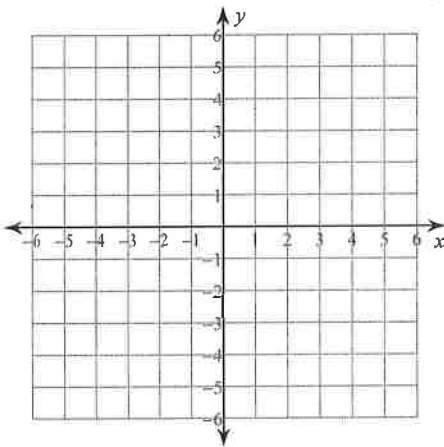
2) $-7a + 4 = -6(a - 1)$

3) $10(11 - 4r) = 11r - 10(4r - 11)$

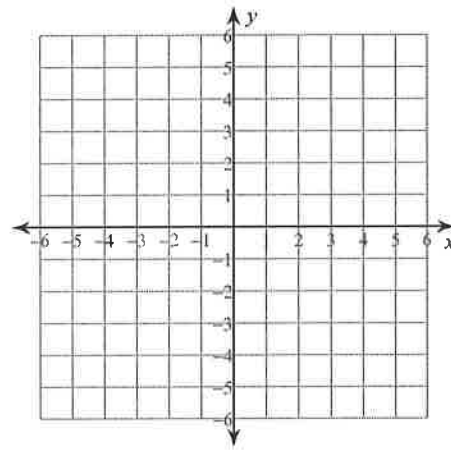
4) $-9(n + 9) - 9 = 9(3n + 10)$

Solve the equation and then graph each line.

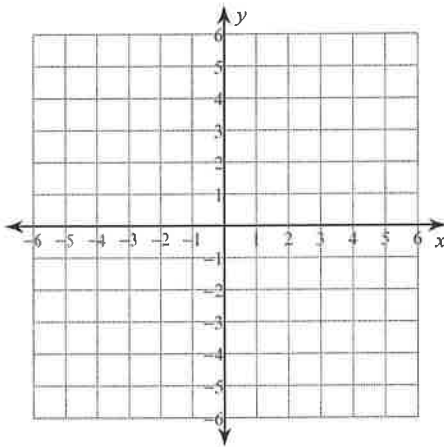
5) $0 = 8 - x + 4y$



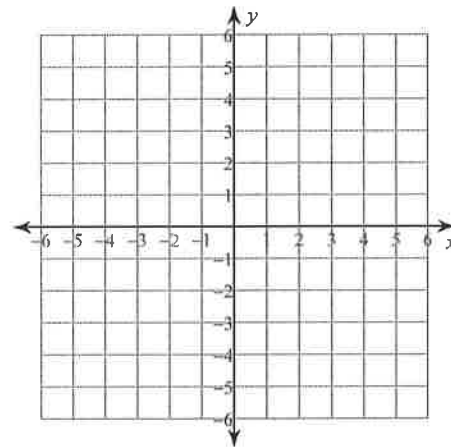
6) $-5x - 3 = 3y$



7) $y + 4 = -2x$



8) $-15 - 8x = -3y$



Write the standard form of the equation of each line. (There should be no fractions). Clear the fractions if you get any.

9) $y = -3 - \frac{5}{4}x$

10) $-x - \frac{9}{7} = \frac{3}{7}y$

11) $x + \frac{1}{2}y = \frac{13}{2}$

12) $-\frac{3}{8}y - \frac{15}{8} = x$