

10.4 Homework

Date _____ Period _____

Solve each proportion.

1) $-\frac{6}{11} = -\frac{x}{6}$

2) $-\frac{5}{11} = \frac{n}{6}$

Solve each equation.

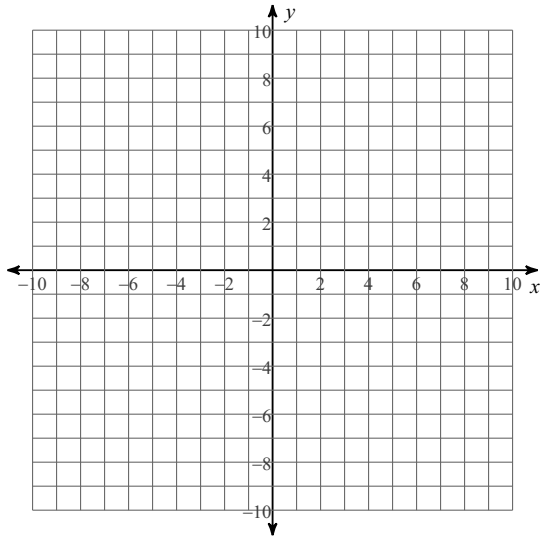
3) $2k + 3(k + 2) = 3(k + 2)$

4) $-2(6 + 4x) - 3 = -8(x + 8)$

Solve each system by graphing.

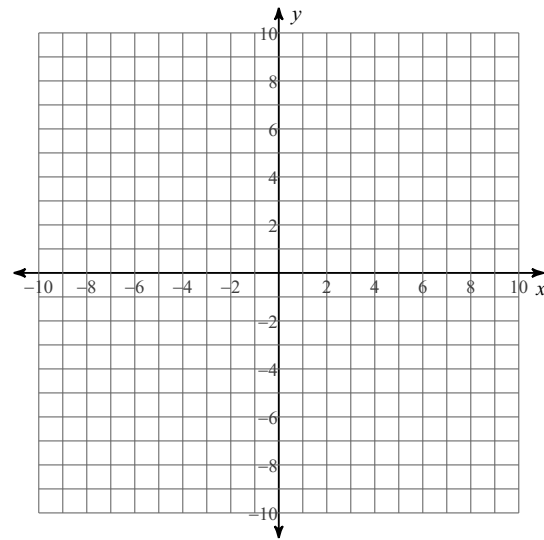
5) $y = -\frac{3}{2}x + 7$

$y = -\frac{3}{2}x + 9$



6) $y = x + 3$

$y = -\frac{1}{3}x + 7$



Solve each system by substitution.

7) $y = -3x - 3$

$y = 2x + 2$

8) $y = -2x - 11$

$-8x + 7y = -11$

Answers to 10.4 Homework

1) $\left\{\frac{36}{11}\right\}$

5) No solution

2) $\left\{-\frac{30}{11}\right\}$

6) $(3, 6)$

3) $\{0\}$

7) $(-1, 0)$

4) No solution.

8) $(-3, -5)$