

Top 10 V5

Monday, April 14, 2014
9:44 AM

Name:

Period:

1) Simplify

$$3 - 5 \cdot 4 \div (12 - 2 \cdot 6) - 3^2$$

2) Simplify

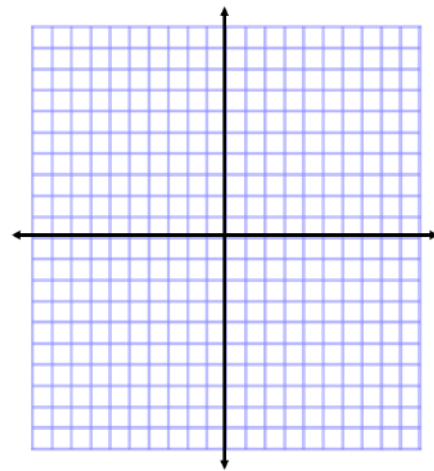
$$-3(4x - 2) + 2(2x - 4) - 5x$$

3) Solve

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

4) Graph the linear equation

$$y = \frac{5}{2}x + 1$$



5) Solve and graph on a number line

$$-4x + 10 < 2x - 8$$



6) Solve the system of linear equations

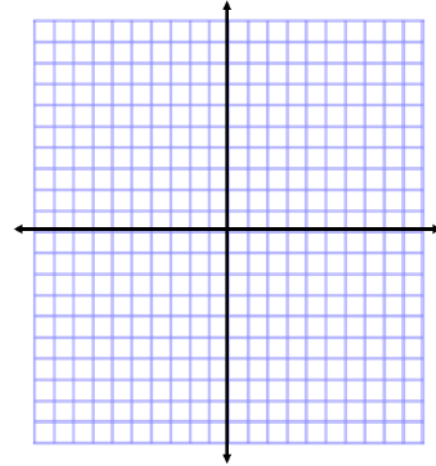
$$y = 2x - 3$$

$$3x - 2y = 10$$

7) Graph the system of linear inequalities

$$y < -\frac{1}{3}x + 2$$

$$y \geq x - 4$$

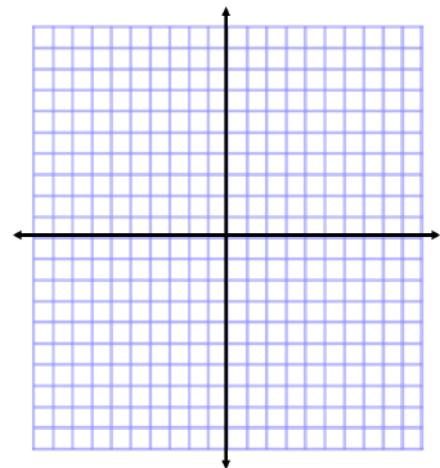


8) Find the zeroes of the quadratic function

$$0 = -2x^2 - 4x - 6$$

9) Graph the quadratic function

$$y = 2x^2 + 8x + 4$$



10) Simplify the radical

$$\sqrt{72}$$