

Top 10 V3

Friday, March 28, 2014
9:44 AM

Name:

Period:

1) Simplify

$$12 - 6 \div 3 \cdot 4 - (4 - 7)^2$$

2) Simplify

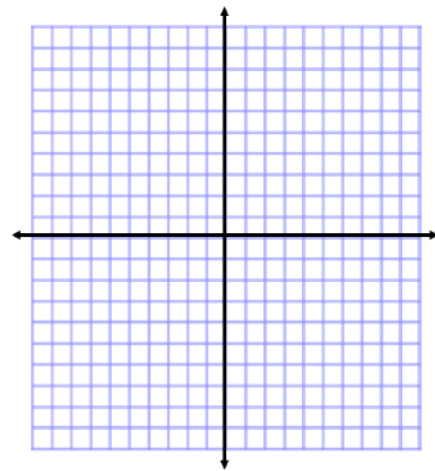
$$-2(x + 8) - 5(3x - 4)$$

3) Solve

$$5x + 12 = 8x - 3$$

4) Graph the linear equation

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



5) Solve and graph on a number line

$$\frac{x - 4}{3} < 6$$



6) Solve the system of linear equations

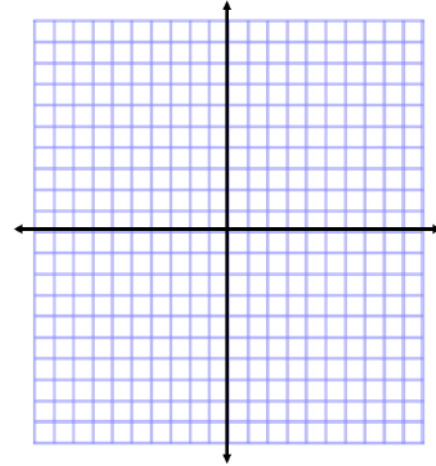
$$3x + 4y = 11$$

$$2x - 3y = -8$$

7) Graph the system of linear inequalities

$$y \geq 2x - 3$$

$$x < 5$$

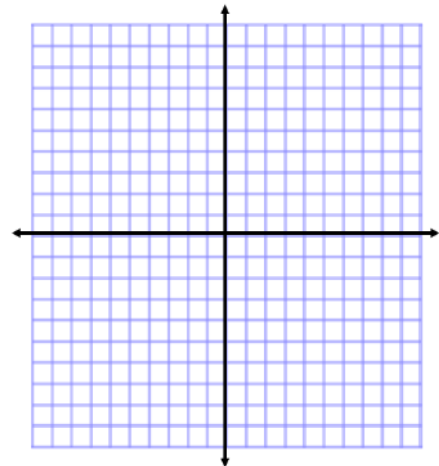


8) Find the zeroes of the quadratic function

$$0 = 2x^2 - 4x - 16$$

9) Graph the quadratic function

$$y = x^2 - 4x - 3$$



10) Simplify the radical

$$\sqrt{98}$$