

# Top 10 V4

Monday, April 14, 2014  
9:44 AM

Name:

Period:

1) Simplify

$$-2(4 - 5 \cdot 3) + 4 - 3^2$$

2) Simplify

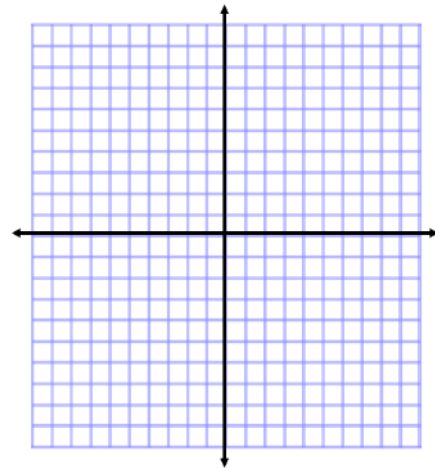
$$-(2x - 6) - 6(2x - 4) + 7x$$

3) Solve

$$7 - 3x + 12 = 4x + 1$$

4) Graph the linear equation

$$y = -\frac{1}{4}x + 3$$



5) Solve and graph on a number line

$$-\frac{2}{3}x + 10 < 6$$



6) Solve the system of linear equations

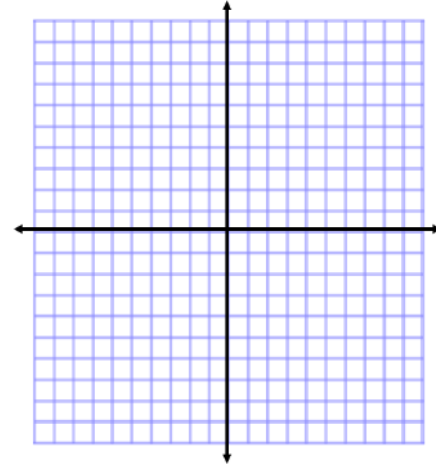
$$x + y = 12$$

$$2x + 3y = 31$$

7) Graph the system of linear inequalities

$$y \geq -2x + 5$$

$$y \geq x$$

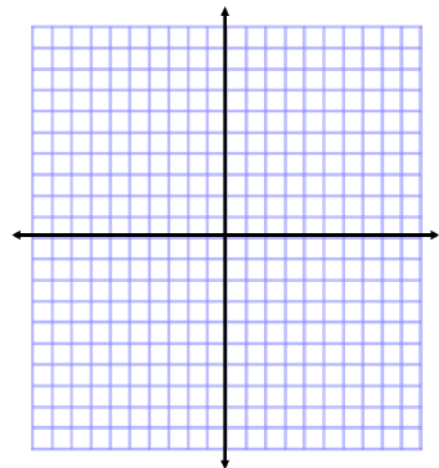


8) Find the zeroes of the quadratic function

$$0 = -x^2 + 2x + 8$$

9) Graph the quadratic function

$$y = -2x^2 - 4x + 5$$



10) Simplify the radical

$$\sqrt{20}$$