

Name: _____

Algebra 1A Finals Study Guide

Two-step equations:

1.) $1 - 3x = 34$

2.) $-8 + 3x = -8$

3.) $-6x - 4 = -4$

4.) $-3x + 6 = 21$

Distributive and Solve:

5.) $2(-3x + 5) = 28$

6.) $4(-9 - 6x) = -252$

7.) $7(-4 + 6x) = -28$

8.) $-6(4 + x) = -42$

Combine Like Terms and Solve:

9.) $2x + 2 = 5x + 14$

10.) $4x - 10 = -6 + 2x$

11.) $-2(2x + 5) = 6$

12.) $5(-6x - 4) = 70$

Systems of Equations: Solve for x and for y

13.) $5x + 2y = -38$
 $-5x - 3y = 42$

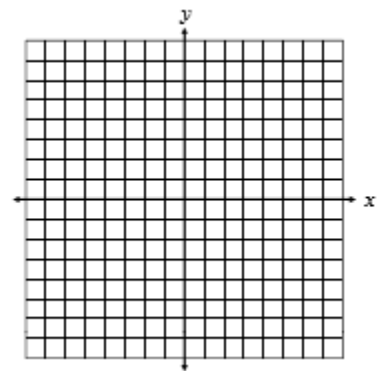
14.) $2x + 2y = 12$
 $-2x - 4y = -18$

15. Identify the slope and y-intercept of the line, then graph the equation.

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

$$m = \underline{\hspace{2cm}}$$

$$b = \underline{\hspace{2cm}}$$



16. Be able to describe and identify the characteristics of the parent functions of quadratics and absolute value