

Worksheet 2

Name:

Points:

Please show all your work for which you wish to receive credits.

1. Graph each equation by hand.(please label each line)

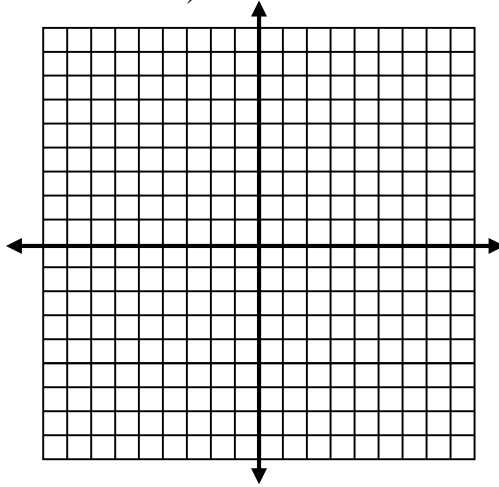
a. $y = -\frac{2}{5}x + 3$

b. $y = \frac{2}{5}x - 3$

c. $y = 3x - 4$

d. $y = 2$

e. $x = -2$



2. Simplify.

a. $5 - 7x + 3y - 2x + 4 - y$

b. $-5(t - 4 + 8)$

c. $-(5x - 3y + 6)$

d. $6(2x - 5y) - 3(4x + 3y) + 2(3x - y)$

e. $-2(2x - 4y) - (3x + 2y - 7)$

f. $7x - \frac{1}{3}(15x - 6)$

3. Solve the equation.

a. $6x + 4 = 9x - 8$

b. $\frac{1}{3}x + \frac{5}{3} = -\frac{3}{4}x - \frac{1}{2}$

c. $\frac{2x-3}{4} = \frac{x-4}{2} - \frac{x+1}{4}$

d. $-30 + 3c - 7(2 - 3c) = 4(c - 5) + 3c + 27$

4. Solve each system by any method.

a. $x + 7y = 5$
 $3x - 4y = -10$

b. $5x - 3y = 9$
 $9x - 4y = 19$

c. $y = 3x - 2$
 $5x - 4y = -6$

d. $\frac{3}{2}x + y = 3$
 $\frac{2}{3}x + \frac{1}{3}y = 1$