

Algebra Warm-ups:

Linear Equations and Inequalities in Two Variables

Name/Date _____

Linear Equations and Inequalities in Two Variables 1

Determine if each ordered pair is a solution of the equation $x + 3y = 6$.

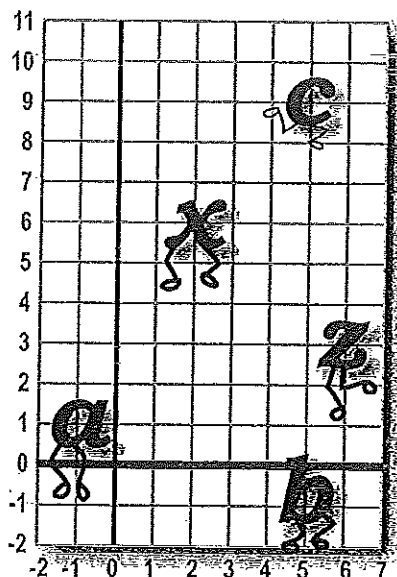
a. $(3, 1)$ _____

b. $(4, 2)$ _____

c. $(9, -1)$ _____

d. $(0, 2)$ _____

e. $(-2, 2)$ _____



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Linear Equations and Inequalities in Two Variables 2

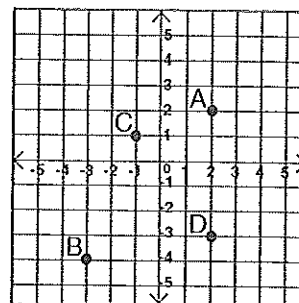
Name the point that is the graph of each ordered pair.

a. $(-3, -4)$ _____

b. $(2, -3)$ _____

c. $(2, 2)$ _____

d. $(-1, 1)$ _____



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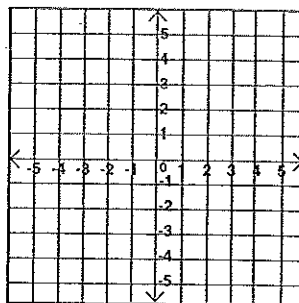
Linear Equations and Inequalities in Two Variables 3

Graph the ordered pairs and connect the points.

a. $(1, 0)$

b. $(3, 2)$

c. $(-2, 3)$

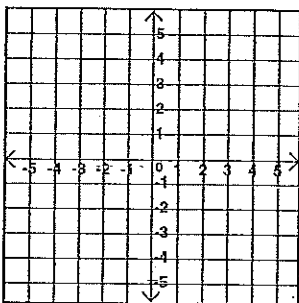


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Linear Equations and Inequalities in Two Variables 4

Make a solution table for the equation. Then graph the equation $y = 9 - 3x$.

x	y



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Linear Equations and Inequalities in Two Variables 5

Determine the missing coordinate of each ordered pair solution of $y = x + 6$.

a. $(0, y)$ _____

b. $(2, y)$ _____

c. $(x, 0)$ _____

d. $(x, 4)$ _____

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Linear Equations and Inequalities in Two Variables 6

Find the x and the y intercepts of the graph of each equation.

$$x + y = 7 \quad 2x + y = 8 \quad 3x - y = 6$$

 x intercept _____

 y intercept _____

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Linear Equations and Inequalities in Two Variables 7

On your own paper, graph the equation $x - y = 5$ using at least three points.

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Linear Equations and Inequalities in Two Variables 8

On your own paper, graph the equation $2x + 2y = 8$ using at least three points.

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Linear Equations and Inequalities in Two Variables 9

On your own paper, graph the equation $4y - x = 2$ using at least three points.

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Linear Equations and Inequalities in Two Variables 10

Solve each equation for y .

a. $x + y = 8$

b. $4x = 2y - 1$

c. $3(x - 1) - 4(y + 5) = 12$

