Algebra Warm-ups:

Linear Equations and Inequalities in Two Variables
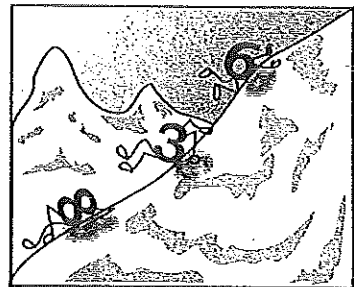
Name/Date _____

Linear Equations and Inequalities in Two Variables 11

Find the slope of a line that contains the given points.

a. A (-2, 3) B (2, 1) _____

b. C (6, 7) D (1, 3) _____

c. E (-1, 3) F (2, 4) _____

Name/Date _____

Linear Equations and Inequalities in Two Variables 12

Find the slope of a line that contains the given points.

a. A (1, 3) B (2, 3) _____

b. C (5, -2) D (4, 3) _____

c. E (3, 8) F (1, 4) _____

Name/Date _____

Linear Equations and Inequalities in Two Variables 13

Find the value of the missing coordinate using the given slope.

$$A (x, 0) \text{ and } B (3, 4), \text{ slope} = 2$$

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Name/Date _____

Linear Equations and Inequalities in Two Variables 14

Find the slope and the y intercept of the line for the given equation.

$$4x + 3y = 12$$

slope _____

y intercept _____

Name/Date _____

Linear Equations and Inequalities in Two Variables 15

Find the slope and the y intercept of the line for the given equation.

$$8x - y = 2$$

slope _____

y intercept _____
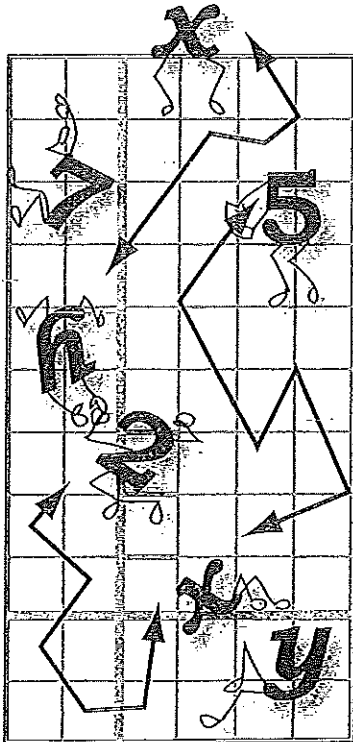

Algebra Warm-ups:
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Name/Date _____

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Linear Equations and Inequalities in Two Variables 16

Write an equation in slope-intercept form that contains the given points.

A (5, 6) B (6, -9)

Name/Date _____

Linear Equations and Inequalities in Two Variables 17

Write an equation of a line in standard form given a point and the slope.

point (0, 3)   slope: $-\frac{1}{2}$

_____

Name/Date _____

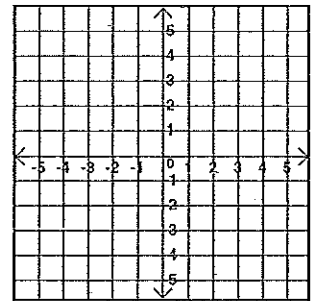## Linear Equations and Inequalities in Two Variables 18

Write an equation of a line in standard form given a point and the slope.

point (2, 6)   slope: $\frac{3}{2}$

_____

Name/Date _____

Linear Equations and Inequalities in Two Variables 19

Graph the inequality $x \geq 2$.

Name/Date _____

Linear Equations and Inequalities in Two Variables 20

Graph the inequality $y \geq -x + 3$.