LESSON 4.4

Practice A

For use with the lesson "Write Linear Equations in Standard Form"

Identify the form of the equation.

1. $y = -5x + 4$
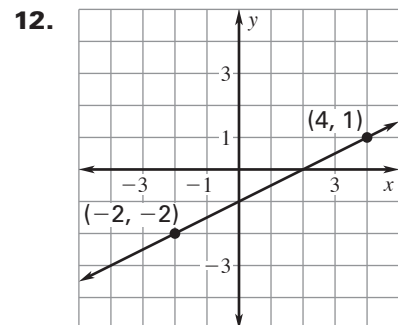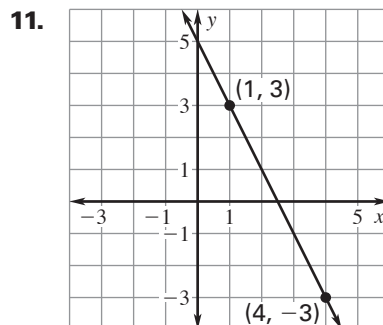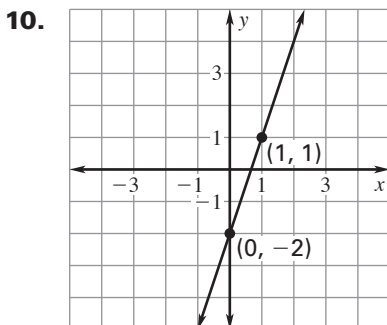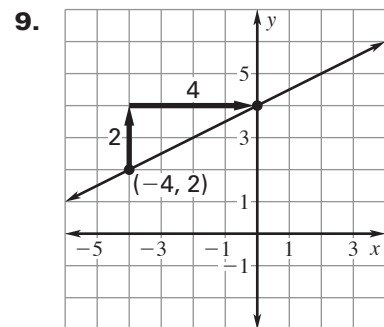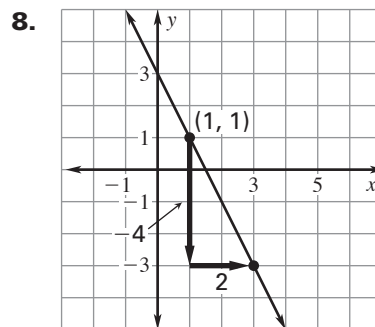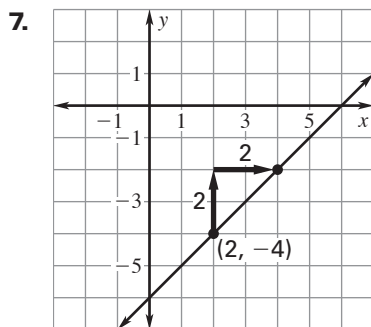
2. $y + 3 = -7(x - 6)$

3. $9x - 2y = 11$

Write two equations in standard form that are equivalent to the given equation.

4. $x + y = -14$

5. $x + 3y = 7$

6. $9x + 3y = 6$

Write an equation in standard form of the line shown.

7.

8.

9.

10.

11.

12.

Write equations of the horizontal and the vertical lines that pass through the given point.

13. $(2, 1)$

14. $(3, 7)$

15. $(-1, 4)$

16. **Lawn Seed** You are buying $80 worth of lawn seed that consists of two types of seed. One type is a quick-growing rye grass that costs $3.80 a pound, and the other type is a higher-quality seed that costs $5 a pound.

   a. Write an equation in standard form that models the possible combinations of each kind of rye grass you can buy for $80.

   b. How many pounds of quick-growing rye seed can you buy if you buy 15 pounds of the higher-quality seed?

   c. How many pounds of the higher-quality seed can you buy if you buy 18 pounds of the quick-growing rye?

17. **Craft Paper** You can buy sheets of basic craft paper for $.10 each and sheets of textured craft paper for $.13 each. Write an equation in standard form that models the possible combinations of each kind of paper you can buy for $10. List three of these possible combinations.