NAME ____________________ DATE ____________ PERIOD ________

Lesson 2 Homework Practice

Representing Linear Functions

Find four solutions of each equation. Write the solutions as ordered pairs.

1–6. Sample answers are given.

1. $y = x - 5$
(−1, −6), (0, −5), (1, −4), (2, −3)

2. $y = -7$
(−1, −7), (0, −7), (1, −7), (2, −7)

3. $y = -3x + 1$
(−1, 4), (0, 1), (1, −2), (2, −5)

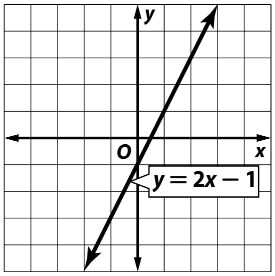
4. $x - y = 6$
(−1, −7), (0, −6), (1, −5), (2, −4)

5. $y = 2x + 4$
(−1, 2), (0, 4), (1, 6), (2, 8)

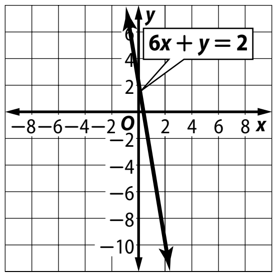
6. $7x - y = 14$
(−1, −21), (0, −14), (1, −7), (2, 0)

Graph each equation by plotting ordered pairs.

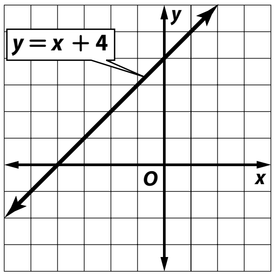
7. $y = 2x - 1$



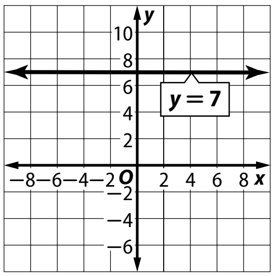
8. $6x + y = 2$



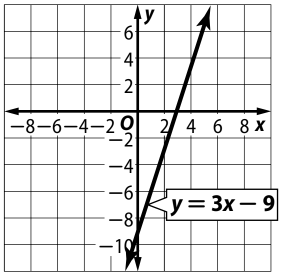
9. $y = x + 4$



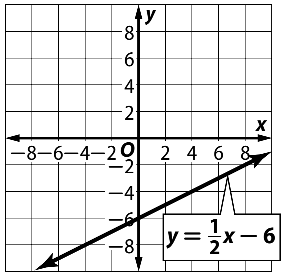
10. $y = 7$



11. $y = 3x - 9$



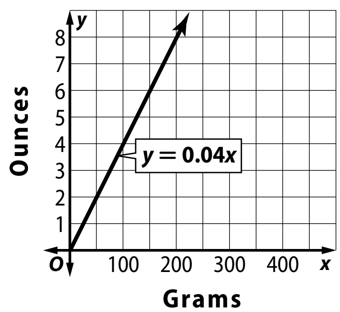
12. $y = \frac{1}{2}x - 6$



13. Kirsten is making gingerbread cookies using her grandmother's recipe and needs to convert grams to ounces. The equation $y = 0.04x$ describes the approximate number of ounces y in x grams.

a. Find three solutions of this equation.
Sample answer: (100, 4), (150, 6), (200, 8)

b. Draw the graph that contains these points.



c. Do negative values of x make sense in this case? Explain.
No; a recipe cannot contain a negative number of grams of an ingredient.