

Name: _____

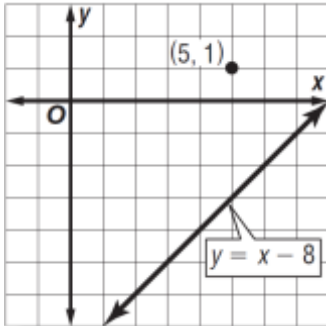
Date: _____ Hour: _____

Lesson 6: Parallel Lines Worksheet

Explain questions with stars next to question numbers.

Write the slope-intercept form for an equation of the line that passes through the given point and is parallel to the graph of each equation.

1)



★ 2) $(-3, 2)$, $y = 4x - 2$

3) $(4, -2)$, $y = -2x + 3$

4) $(-2, 4)$, $y = -3x + 10$

5) $(-1, 6)$, $3x + y = 12$

6) $(4, -6)$, $x + 2y = 5$

7) Find an equation that has a y -intercept of 2 that is parallel to the graph of the line $4x + 2y = 8$.

8) Find an equation that has a y -intercept of -4 that is parallel to the graph of the line $y = 6$.

Write the slope-intercept form for an equation of the line that passes through the given point and is parallel to the graph of each equation.

9) $(3, 2)$, $y = x + 5$

★ 10) $(4, -6)$, $y = -\frac{3}{4}x + 1$

11) $(12, 3)$, $y = \frac{4}{3}x + 5$

12) $(-2, 5)$, $y = -4x + 2$

13) $(-8, 2)$, $5x - 4y = 1$

14) $(-5, 6)$, $4x + 3y = 1$

15) $(-3, 4)$, $3y = 2x - 3$

16) $(3, 1)$, $2x + 5y = 7$

____17.) Romeo Plank Road is modeled by the equation $x = 4$. What would be the equation for Garfield Road?

A.) $y = x + 4$

B.) $y = 4$

C.) $y = 4x$

D.) $x = -4$

