

Parallel and Perpendicular Lines Homework DUE Date \_\_\_\_\_ Period \_\_\_\_\_

Write the slope-intercept form of the equation of the line described.

1) through:  $(-4, -4)$ , parallel to  $x = 0$

2) through:  $(-4, 3)$ , parallel to  $y = -2x - 3$

3) through:  $(3, 1)$ , parallel to  $y = \frac{4}{3}x - 1$

4) through:  $(1, 3)$ , parallel to  $y = -2x - 2$

5) through:  $(-4, 2)$ , parallel to  $y = -3$

6) through:  $(-2, 2)$ , perp. to  $y = -x + 2$

7) through:  $(5, -4)$ , perp. to  $y = \frac{5}{6}x - 5$

8) through:  $(-3, -3)$ , perp. to  $y = -3x + 2$

9) through:  $(5, 3)$ , perp. to  $y = -\frac{5}{2}x + 1$

10) through:  $(2, 2)$ , perp. to  $y = \frac{1}{3}x - 1$