SM1H   Name_____

14.3 Perpendicular and Parallel Lines   Due Date_____   Period_____

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

1) through: $(2, -2)$, parallel to $y = -\dfrac{5}{2}x - 1$

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

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

4) through: $(-5, 5)$, parallel to $y = -\dfrac{1}{5}x + 5$

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

6) through: $(-4, -5)$, parallel to $y = \dfrac{5}{2}x + 4$

-1-

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

8) through: $(-4, 1)$, perp. to $x = 0$

9) through: $(-2, 2)$, perp. to $y = \dfrac{2}{7}x$

10) through: $(2, 1)$, perp. to $y = -x - 4$

11) through: $(1, 2)$, perp. to $y = -\dfrac{5}{6}x + 4$

12) through: $(-1, 4)$, perp. to $y = \dfrac{1}{9}x - 2$

-2-