Corrective Assignment 6.3

Name: _____

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

1) through: $(-2, 2)$, parallel to $y = -\dfrac{7}{2}x + 2$

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

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

4) through: $(2, 2)$, parallel to $y = \dfrac{7}{2}x + 1$

5) through: $(-5, 0)$, parallel to $y = -\dfrac{2}{5}x - 5$

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

7) through: $(2, -4)$, perp. to $y = \frac{1}{2}x$

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

9) through: $(-2, 4)$, perp. to $y = \frac{2}{3}x$

10) through: $(-4, 0)$, perp. to $y = -2x$

Directions: Tell whether the lines are parallel, perpendicular or neither.

11) a: -2x + y = 7
b: x − 2y = -6
c: x + 2y = -4

12) a: -2x + 3y = -12
b: 3x − 2y = 2
c: 2x − 3y = 6

1) $y = -\frac{7}{2}x - 5$

2) $y = -\frac{3}{2}x - 4$

3) $y = \frac{1}{5}x - 4$

4) $y = \frac{7}{2}x - 5$

5) $y = -\frac{2}{5}x - 2$

6) $y = \frac{3}{4}x - 2$

7) $y = -2x$

8) $y = -2x - 1$

9) $y = -\frac{3}{2}x + 1$

10) $y = \frac{1}{2}x + 2$

11) a is perp. to c

12) a is parallel to c