Corrective Assignment 3.6

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

1) through: \((1, -4)\), parallel to \(y = -x + 1\)

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

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

4) through: \((2, -4)\), perp. to \(y = \frac{1}{2}x - 5\)

5) through: \((-3, 3)\), perp. to \(y = x - 4\)

6) through: \((3, -4)\), perp. to \(y = x - 3\)

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

7) \(y = -x - 7\) \(\quad\quad\) 8) \(y = -x + 6\)

\(y - x = 20\) \(\quad\quad\) \(x + y = 20\)
ANSWERS TO CORRECTIVE ASSIGNMENT:

Make sure you check all your answers and make sure you KNOW how to do all of them. You could simply copy answers but that’s not the point. The point is that you have to learn how to do this so please make sure that for any you don’t understand you get help BEFORE taking the Mastery Check again.

1) \( y = -x - 3 \)  
2) \( y = -x - 2 \)  
3) \( y = x - 2 \)  
4) \( y = -2x \)  
5) \( y = -x \)  
6) \( y = -x - 1 \)  
7) perpendicular  
8) parallel  
9) neither  
10) Not a parallelogram  

10) A parallelogram is a quadrilateral that has opposite sides that are parallel. Is quadrilateral ABCD a parallelogram? Why or why not? A(1,0), B(4,0), C(3,-3) and D(-1,-3)