1. Write the equation in slope-intercept form given m = 3 and P(5,-2).

2. Write the equation in slope-intercept form given P(4,2) & Q(-2,-4).

3. Write the equation in slope-intercept form given T(0,5) & S(3,5).

4. Write the equation in slope-intercept form of the line parallel to $y = \frac{2}{3}x + 7$ & through point P(3,6).

5. Write the equation in slope-intercept form of the line perpendicular to $y = -\frac{1}{7}x - 14$ & through point Q(-2,-4)

Determine whether or not the following lines are parallel, perpendicular, or neither.

6. y = -2x + 11
    y = -2x + 4

7. $y = \frac{2}{3}x + 5$
    3y = 2x + 14

8. y = -5x
    5x - y = 18

9. 3x − y = 4
    3x + 12 = y

10. 5x + 2y = 1
     -2x + 5y = -10