**Objective:**

**Directions: Complete the following problems using your knowledge of slope.**

1. l1 ║ l2 . If the slope of l1 is x/1 and slope of l2 is x/4. Find the value of x.

2. Is the equation y = 6x - 7 parallel to y - 2x = 9?

3. l1 ║ l2 . If the slope of l1 is 8/18 and slope of l2 is 4x-6. Find the value of x.

4. Find the slope of line parallel to a line whose slope is -7/5.

5. Find the slope of line perpendicular to line whose line slope is 2/10.

6. Find the slope of line parallel to a line whose equation is: y - 6x = 20.

7. Find the slope of line perpendicular to a line whose equation is: y - 12x = 10.

8. Find the equation of the line parallel to the line whose equation is: y = x-15 & whose y-intercept is 9.

9. Find the equation of the line perpendicular to the line whose equation is 8y-2x=2 and whose y-intercept is 6.

10. Find the equation of line perpendicular to the line whose equation is y - 3x =9 and which passes through the point (-2, -3).