**Equations and Slopes of Parallel and Perpendicular Lines: HW #1**



 Slope MN: \_\_\_\_ Slope MN: \_\_\_\_

 Slope RS: \_\_\_\_\_ Slope RS: \_\_\_\_\_



 Slope MN: \_\_\_\_ Slope MN: \_\_\_\_

 Slope RS: \_\_\_\_\_ Slope RS: \_\_\_\_\_



6.

5.

Slope of $\overleftrightarrow{MN}$ : \_\_\_\_ Slope of $\overleftrightarrow{MN}$ : \_\_\_\_

⊥ slope: \_\_\_\_\_\_ ⊥ slope: \_\_\_\_\_\_

7.) Write the equation of a line in slope intercept and point slope form which pass through the points A(-4,8) and B(-7,-1)

**Slope intercept Point-Slope**

8.) Write the equation of a line in slope intercept AND point-slope form which is parallel to

$y+3x=-2$ and passes through the point (-1,-2).

**Slope intercept Point-Slope**

 9.) Write the equation of a line in slope intercept AND point-slope form which is perpendicular to $2x+y=5$ and passes through the point (2,-2).

**Slope intercept Point-Slope**

**Equations and Slopes of Parallel and Perpendicular Lines: HW #2**





1.

2.

 Slope MN: \_\_\_\_ Slope MN: \_\_\_\_

 Slope RS: \_\_\_\_\_ Slope RS: \_\_\_\_\_





4.

3.

Slope of $\overleftrightarrow{MN}$ : \_\_\_\_ Slope of $\overleftrightarrow{MN}$ : \_\_\_\_

⊥ slope: \_\_\_\_\_\_ ⊥ slope: \_\_\_\_\_\_

5.) Write the equation of a line in slope intercept and point slope form which pass through the points A(5.1) and B(8,-2)

**Slope intercept Point-Slope**

6.) Write the equation of a line in slope intercept and point slope form which pass through the points A(-5,-2) and B(-8,-2)

**Slope intercept Point-Slope**

7.) Write the equation of a line in slope intercept AND point-slope form which is parallel to

$y=-\frac{1}{2}x-6$ and passes through the point (-3,2).

**Slope intercept Point-Slope**

8.) Write the equation of a line in slope intercept AND point-slope form which is parallel to

$y=-2x-7$ and passes through the point (-1,-2).

**Slope intercept Point-Slope**

 9.) Write the equation of a line in slope intercept AND point-slope form which is perpendicular to $2x+y=5$ and passes through the point (2,-2).

**Slope intercept Point-Slope**

10.) Write the equation of a line in slope intercept AND point-slope form which is perpendicular to $-\frac{2}{3}x-y=15$ and passes through the point (0,-15).

**Slope intercept Point-Slope**