1.5 Equations of Lines and Equations of Parallel and Perpendicular Lines Pre-AP Geometry

Name	
Period	Date

## <u>Parallel:</u>

## Perpendicular:

<u> Part 1:</u>

Write an equation of the line that passes through the given point P and has the given slope m.

	1
A) P(5,4), m = 4	B) P(0,-3), m = $\frac{-}{6}$

<u> Part 2:</u>

Write an equation of the line that passes through the point P and is parallel to the line with the given equation.

<u> Part 3:</u>

Write an equation of the line that passes through the point P and is perpendicular to the line with the given equation.

## <u>Part 4:</u>

Find the equation of the perpendicular bisector of  $\overline{JM}$  .



## <u>Part 5:</u>

Calculate the distance between the line given by the equation  $y = \frac{4}{3}x + 2$  and the point (-4, 5).

