Geometry
Unit: Lines and the Coordinate Plane
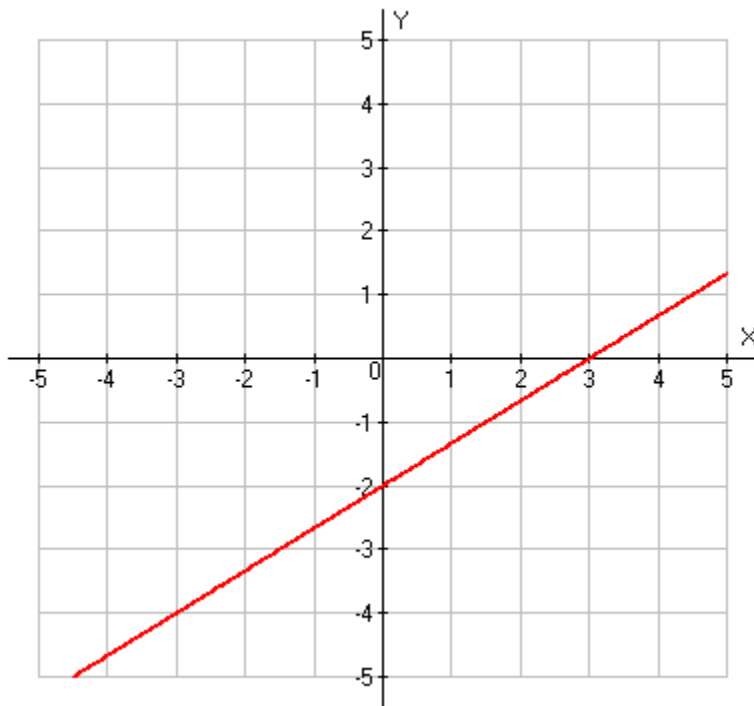**Section: Graphing the Equation of a Line**

Review Worksheet

1) Find the equation of the line through each pair of points in Slope-Intercept Form.

a. (0, 2) and (3, 6)

b. (-1, 6) and (3, -7)

2) Find the equation of the line graphed below:

3) What is the equation of the vertical line through the point (3, 2)?

4) What is the equation of the horizontal line through the point (3, 2)?

5) What is the equation of the line that is parallel to $y = \dfrac{2}{3}x + 5$, through the point (-6, 3).

6) What is the equation of the line that is perpendicular to $y = \dfrac{2}{3}x + 5$, through the point (-6, 1).

7) What are the x- and y-intercepts of the line 3x – 5y = 30? Graph the line.

x-intecept:

y-intercept: