Slope Intercept Form

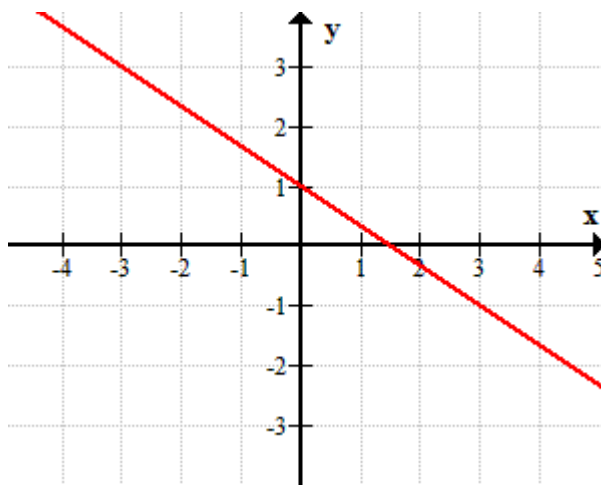**Name**: _____   **Date**: _____   **Score**: _____

Direction: Find the equation of the line in slope intercept form using the given information. Show all your work in the space provided.

1) Find the equation of the line with a slope of -3 and through the point $(5,-7)$

2) Find the equation of the line with a slope of 6 and x-intercept of -4

3) Find the equation of the line through the points $(-9,2)$ and $(5,-1)$

4) Find the equation of the line in the xy-axis

Name: _____   **Date**: _____   **Score**: _____

Direction: Find the equation of the line in slope intercept form using the given information. Show all your work in the space provided.

1) Find the equation of the line with a slope of -3 and through the point $(5, -7)$

$$y = -3x + 8$$

2) Find the equation of the line with a slope of 6 and x-intercept of -4

$$y = 6x + 24$$

3) Find the equation of the line through the points $(-9, 2)$ and $(5, -1)$

$$y = -\frac{3}{14}x + \frac{1}{14}$$

4) Find the equation of the line in the xy-axis

$$y = -\frac{2}{3}x + 1$$