Worksheet #1 - Review of Linear Equations

1 From the graph at right, answer the following questions:

(a) What is the x-intercept?

(b) What is the y-intercept?

(c) What is the slope?

2 Consider the equation $y = 3x + 4$. Answer the following questions without graphing the equation. Then use this information to sketch a careful graph.

(a) What is the y-intercept?

(b) What is the x-intercept?

(c) What is the slope?
3. Graph the line with the given properties.

(a) The line has slope $-1$ and $y$-intercept $4$.

(b) The line passes through the points $(1, 1)$ and $(2, 4)$.

4. Write an equation for the line shown in the figure.