

## Chapter 3 Formulas

Slope Formula:

$$m = \frac{y_2 - y_1}{x_2 - x_1} \text{ where } x_1 \neq x_2$$

Finding the equation of a line given a point and the slope.

$$y - y_1 = m(x - x_1)$$

Finding the equation of a line given two points.

$$y - y_1 = \frac{y_2 - y_1}{x_2 - x_1} (x - x_1)$$