

Formulas:

$$d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$$

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

$$(x - h)^2 + (y - k)^2 = r^2$$

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

$$\left(\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2} \right)$$

$$y = mx + b$$

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

$$f(x) = a(x - h)^2 + k$$

Scratch Zone: