

College Algebra Formula Sheet

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

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

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

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

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

$$\frac{f(b) - f(a)}{b - a}$$

$$A = P\left(1 + \frac{r}{n}\right)^{nt}$$

$$A = Pe^{rt}$$

$$A = A_0e^{kt}$$