

Formulas:

$$C = 2\pi r = \pi d$$

$$P = 2l + 2w$$

$$A = lw \quad A = s^2$$

$$A = \pi r^2$$

$$A = \frac{1}{2}bh \quad A = bh$$

$$A = \frac{1}{2}h(b_1 + b_2)$$

$$V = s^3 \quad V = lwh$$

$$V = \pi r^2 h$$

$$V = \frac{1}{3}\pi r^2 h \quad V = \frac{4}{3}\pi r^3$$

$$V = \frac{1}{3}Bh$$

$$rt = d$$

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

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

$$y = mx + b$$

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

$$a^3 + b^3 = (a + b)(a^2 - ab + b^2)$$

$$a^3 - b^3 = (a - b)(a^2 + ab + b^2)$$

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

$$a^2 + b^2 = c^2$$

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

$$x = \frac{-b}{2a} \quad \left(\frac{-b}{2a}, f\left(\frac{-b}{2a}\right) \right)$$