Math 11 Pre-Calculus Formula Sheet

Important formulas you should know how to apply in this course. You will be given a copy of this formula sheet on each of your quizzes and unit tests.

$$t_n = t_1 + (n-1)d$$

$$S_n = \frac{n}{2}[2t_1 + (n-1)d] \qquad S_n = \frac{n}{2}[t_1 + t_n]$$

$$t_n = t_1 r^{n-1}$$

$$S_n = \frac{t_1(r^n - 1)}{r - 1} \qquad S_n = \frac{rt_n - t_1}{r - 1}$$

$$S_\infty = \frac{t_1}{1 - r}$$

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

$$c^2 = a^2 + b^2 - 2ab\cos C$$

$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$