Pre-Calculus 11 Formula Sheet

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

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

$y = a(x-p)^2 + q$

$S_n = \frac{n}{2}(t_1 + t_n)$

$S_n = \frac{rt_n - t_1}{r-1}$

$y = ax^2 + bx + c$

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

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

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

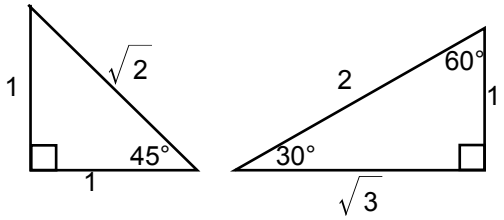
$q = c - ap^2$

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

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

$p = \frac{-b}{2a}$

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



The grid (below) can be used to help you with any questions. It is suggested that you place the grid paper under the question sheet and trace over it so you can reuse the grid throughout the assessment.