

Algebra 2 level 1 Final Exam 2005
Formula Sheet

$$y=mx + b$$

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

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

$$\log_b u^n = n \log_b u$$

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

$$\log_b uv = \log_b u + \log_b v$$

$$y=a(x-p)(x-q)$$

$$\log_b \frac{u}{v} = \log_b u - \log_b v$$

$$y=ax^2 + bx + c$$

$$\textit{if } \log_b x = y \textit{ then } b^y = x$$