

Algebra 2 EOC FSA Mathematics Reference Sheet

Formulas

$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$, where a , b , and c are coefficients in an equation of the form $ax^2 + bx + c = 0$

$$\log_b a = \frac{\log a}{\log b}$$

$$\sin A^\circ = \frac{\text{opposite}}{\text{hypotenuse}}$$

$$\cos A^\circ = \frac{\text{adjacent}}{\text{hypotenuse}}$$

$$\tan A^\circ = \frac{\text{opposite}}{\text{adjacent}}$$

$$P(B|A) = \frac{P(A \text{ and } B)}{P(A)}$$

$$P(A \text{ or } B) = P(A) + P(B) - P(A \text{ and } B)$$

$$z = \frac{(x - \mu)}{\sigma}, \text{ where } \mu = \text{mean and } \sigma = \text{standard deviation}$$