



# Algebra II Key Words/Phrases

Key words	Formula/Procedure	Key words	Formula/Procedure
Focus/Directrix	$y = \frac{1}{4p}(x-h)^2 + k$	down payment	find P
$f(x) = g(x)$ / same	$(1, 2)$ Intersect	sin/cos/tan	
average rate of change	$\frac{f(b) - f(a)}{b - a}$ or $\frac{y_2 - y_1}{x_2 - x_1}$	or	$P(A \cup B) = P(A) + P(B) - P(A \cap B)$
Graph	$y =$	and	$P(A \cap B) = P(A) + P(B) - P(A \cup B)$
Compounding	$A = P(1 + \frac{r}{n})^{nt}$	and/independent	$P(A \cap B) = P(A) \cdot P(B)$
Compounding Continuously	$A = P e^{rt}$ or $A = P e^{rt}$	independent	$P(A \cap B) = P(A) \cdot P(B)$
Half Life	$A = P(\frac{1}{2})^{\frac{t}{h}}$	normally distributed	normal cdf
Double	$A = P(2)^{\frac{t}{h}}$		confidence interval = mean $\pm$ 2(standard deviation)
$a_{n-1} \longleftrightarrow$ Recursive		margin of error	2(standard deviation)
total	$S_n = \frac{a_1 - a_1(r)^n}{1 - r}$	exponential regression equation	ExpReg
inverse $f^{-1}(x)$	$(1, 2)$ or switch x and y	statistically significant	outside confidence interval
		even function	symmetric to y-axis
		odd function	symmetric to origin