Calculator Functions for the AP Precalculus Exam

	Task	Calculator Keys	Example
Saving Time & Avoiding Typos	Store Functions	Enter into [Y=] To retrieve, [ALPHA] [Trace], then select from menu	Evaluate functions and related expressions $\frac{Y_1(5) - Y_1(3)}{5 - 3}$
	Store Values	[ANS] on home screen STO ▷ALPHA (pick favorite letter)	Store parameter values of regression model $a = 21.8294384$
Graph Analysis	Find zeros of a function	[Y=] [GRAPH] [2nd][Trace] [2:Zero] Move cursor left bound, then right bound, of the x-intercept. [ENTER]	Determining intervals where a function is positive or negative: identify zeros as endpoints of intervals
	Find intersections of curves	Enter both functions into [Y=] as Y_1 and Y_2 [2nd][Trace][5:Intersect] Put cursor on 1st curve, then 2nd curve, [ENTER]	Solving equations: When is $f(x) = g(x)$?
	Find extrema	[Y=] [2nd][Trace][3:Minimum] or [4:Maximum] Put cursor to left of extrema, then to the right, [ENTER]	Finding the maximum or minimum value of a certain quantity
Regression	Enter data	STAT 1: EDIT L1→ L2→ View Scatterplot 2nd Y= Plot 1: ON L_1 L_2	Use a regression equation to model data given in a table of values
	Calculate regression model	STAT ▷CALC 4: LinReg (ax+b) 8: LinReg (a+bx) 5: QuadReg 9: LnReg 6: CubicReg 0: ExpReg 7: QuartReg C: SinReg Calculate X List: L_1 Y List: L_2	Find a predicted value based on the regression model