	English	Graph	Functional Notation
1	At time $t = 4$, the temperature is 400°.	At $t = 4$, the height of graph is 400.	$P(4) = 400$
2	the change in temp. from time t=a to t=b minutes	the change in the height of the graph from t=a to t=b	$P(b) - P(a)$
3	the incremental rate of change in temperature from time a to time b	the slope of the secant line through the temp. graph at t=a and t=b	$\frac{P(b) - P(a)}{b - a}$
4	the temperature at t=0 minutes	the "y"-intercept of the temperature graph	$P(0)$
5		the slope of the diagonal line through the temp graph at t=b	$\frac{P(b)}{b}$
6	the overall rate of change of temperature after b minutes	the slope of the secant line through the temp. graph at t=0 and t=b	$\frac{P(b)-P(0)}{b-0}$
7	The temp after 10 min is higher than the temp after 9 min.	The graph of temp is higher at t=10 than at t=9.	$P(10) > P(9)$ * * false
8	Between 4 and 6 minutes, the temperature rises by 140°.	Between t=4 and t=6, the temp graph rises 140°.	$P(6) - P(4) = 140$
9	During the first four minutes, the temperature rises on average 57° per minute.	The slope of the secant from $t = 0$ to $t = 4$ is 57.	$\frac{P(4) - P(0)}{4} = 57$
10	When is the temperature 350°?	For what value of t is the height of the temp graph 350?	For what value of t is $P(t) = 350$?
11	There are three times when the temp is 200°.	The graph has height 200 for three different values of t.	There are three values of t such that $P(t) = 200$.
12	Find a time at which the temp is more than 100° higher than the temp at t=2 min.	Find a time at which the height of the temp graph is ~~more than~~ 100° higher than the height at t=2.	Find t so that $P(t) - P(2) > 100$.
13	Find two times, 2 minutes apart, when the temperature is the same.	Find two times, two min apart, at which the height of the temp graph is the same.	Find two times, t and t+2, such that $P(t) = P(t+2)$.
14	incremental rate of change in temp from t=2 to t=h minutes	slope of the secant line from 2 to h	$\frac{P(h) - P(2)}{h - 2}$

Super important.