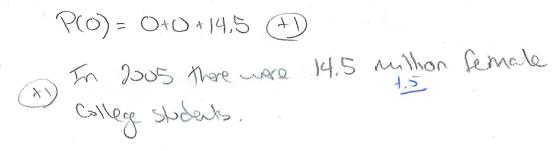
Quiz 1

Show all your work. No credit is given without reasonable supporting work. There are two sides to this quiz.

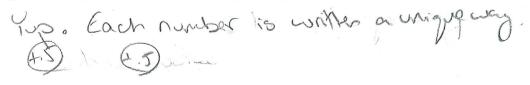
- 1. The equation $P(t) = -0.002t^2 + 0.54t + 14.5$ models the approximate number (in millions) of female college students in a country for the academic years 2005-2009.
 - (a) [1] (Functions Activity #2) Find P(a+h). (No not simplify!) $P(a+h) = 0.002 \overline{a+h}^2 + 0.54 \overline{a+h} + 14.5$ (4.5)
 - (b) [2] (WebHW1 #18) Find the *P*-intercept and explain what it represents.



- 2. Define G that takes numbers to the letter that it starts with when written in english. For example, G(2) = t since two begins with the letter t.
 - (a) [1] (2017 Winter TMath120) Is the point (6, s) on the graph of G? Why or why not?

ies?	(o is six	which storts with the	leafer s
+,5)	1,5		

(b) [1] ($\S1.3 \#104$) Is G a function? Why or why not.



3. Let g be the piecewise defined graph shown below.

