Quiz 1

Show *all* your work. Reasonable supporting work must be shown to earn credit. There are *two* sides to this quiz.

1. (WebHW2 #21) A person currently has $140 in a Christmas savings account. The person deposits $9 per week into this account.

   (a) [3] Write a function that returns how much money is in an account at a certain time. Be sure to define any variables that you create!

   (b) [1] Find what the y intercept means in terms of money and time.

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.
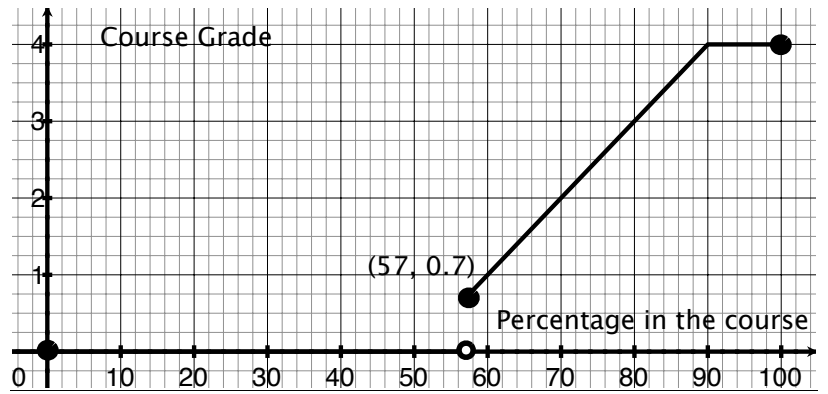
   (a) [1] (2017 Autumn TMath120) Is the point $(6, s)$ on the graph of G? Why or why not?

   (b) [1] (§1.3 #104) Is G a function? Why or why not.

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

(a) [1] (WebHW1 #10)
Estimate $g(85)$.

(b) [1] (WebHW #12)
Estimate x such
that $g(x) = 2.0$.

Course Grade

(57, 0.7)

Percentage in the course

(c) [1] (FunctionsActivity #1) Find the domain.

(d) [1] (§1.1 #66) Find at least one y-intercept of the graph.