Quiz 1



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

1. [3] (WebHW1 #6) Let $f(x) = \frac{x}{\sqrt{9-x^2}}$. Find $f(\frac{4}{3})$ and simplify. $f(\frac{1}{3}) = \frac{4}{3}$ $\sqrt{9-(\frac{4}{3})^2}$ $\sqrt{9-16}$ $\sqrt{9-16}$

4/3 = 4 - VG5 = 4 - 3/65 = 4 065 × 496

- 2. (Quiz1 Winter 2016) 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] ($\S1.1 \# 30$) Is the point (6, s) on the graph of G? Why or why not?

(Colla) returns the first letter of the word six

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

105. My this have a spelling that the order of the consistent in english

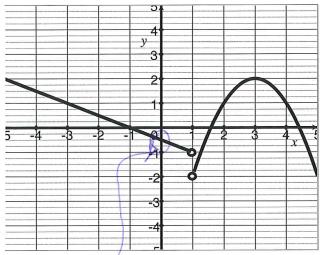
- 3. Let g be the piecewise defined graph shown below.
 - (a) [1] (§1.3 #56) Find g(-3)

1

(b) [2] (§1.1 #44)

Estimate x such that g(x) = 0.

X = -1, 1.5, 4.5 +.5 +.5



(c) [1] (§1.1 #44) Identify or estimate the \overline{y} intercept.

-1/2

(d) [1] (FunctionWks #1) What is the domain of g?

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of all #'s by 1

(-00,1) U(1,00)
got it (Fis)