

Quiz 0

This is a two-stage quiz. During the first stage, use your knowledge & calculator. You have 15 min. In the second stage, you are now welcome to use your books, notes, and students in the class to retake the same quiz. You have the remainder of the quiz time to write one solution (with everyone's name on it!!!) to be turned in for the group.

1. [2] What do you want the instructor to know about you?

If this is stage 2 of the quiz, what do you want other students to know about you? (There could be one thing shared by everyone or separate items.)

I have a family so there are other demands from beyond the class that I juggle.

Figure 1: Handwritten response to Question 1.

I have a family so there are other demands from beyond the class that I juggle.

2. [3] What characteristics do you think make a good student. Which do you have?

If this is stage 2, there could be one thing listed by everyone or separate items.

Ability to work with others

Figure 2: Handwritten response to Question 2.

Ability to work with others.

3. [2] Let a and b be real, non-zero numbers. Add $\frac{1}{a} + \frac{1}{b}$.

$$\frac{b}{b} \cdot \frac{1}{a} + \frac{1}{b} \cdot \frac{a}{a} = \frac{b+a}{ba}$$

Can denominator (1)
one fraction (1.5)
mult by one (1.5)

Figure 3: Handwritten solution to Question 3, with grading annotations.

$$\frac{b}{b} \cdot \frac{1}{a} + \frac{1}{b} \cdot \frac{a}{a} = \frac{b+a}{ba}$$

Grading rubric annotations (point values awarded for each criterion):

- Common denominator: 1
- One fraction: .5
- Multiply by one: .5

4. [3] Use the graph to the right to answer the following.

- Estimate y when $x = 0$
- Estimate x when $y = -2$

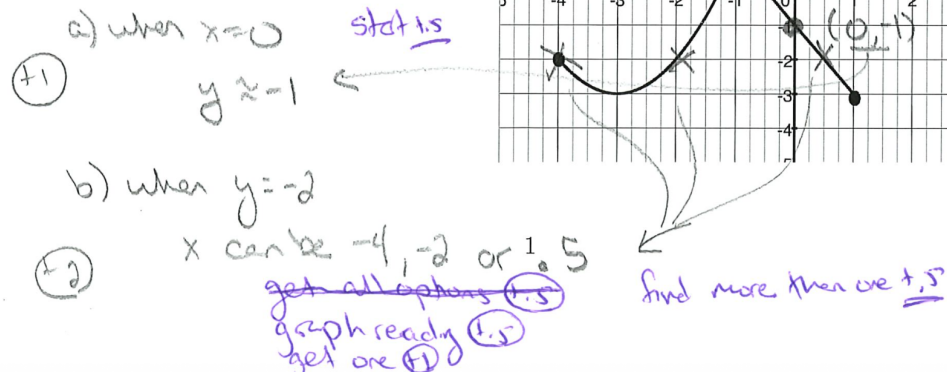
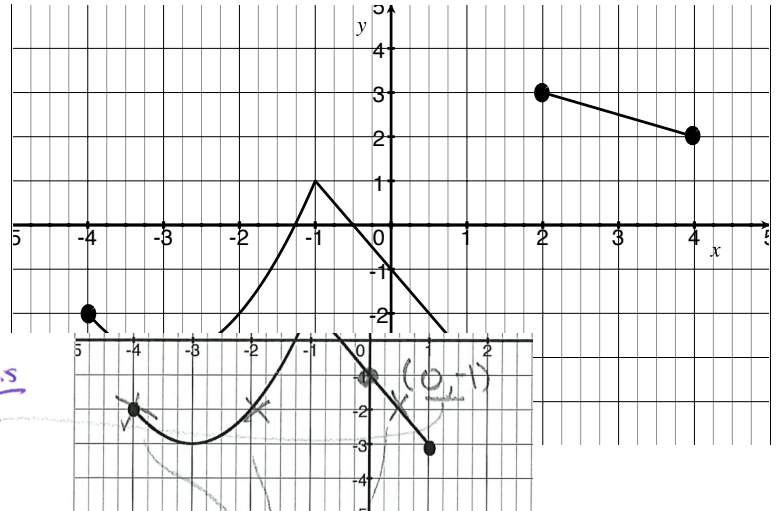


Figure 5: Handwritten solution to Question 4, with grading annotations.

(a) When $x = 0$, $y \approx -1$.

Grading rubric annotation for part (a):

- Start: .5
- Got it .5

(b) When $y = -2$, x can be -4 , -2 , or 1.5 .

Grading rubric annotations for part (b):

- Get one: 1
- Find more than one .5
- Graph reading: 1.5
- Find more than one: .5