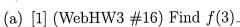
Quiz 1

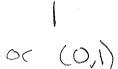
Show all your work. No credit is given without reasonable supporting work. There are two sides to this quiz.

1. Let f be the graph below and to the right.





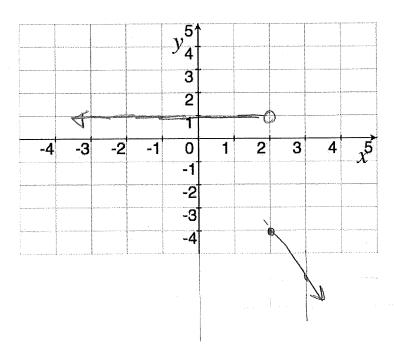
(b) [1] (§1.1 #44) What is the y-intercept?



- x
- 2. [2] (GraphWks #4 & WebHW3 #19) Plot two points that are on the graph of

$$\begin{cases} 1 & \text{if } x < 2 \\ -2x & \text{if } 2 \le x \end{cases}$$

- ony two points or the graph ->



3. [2] (WebHW1 #7) Add and subtract as indicated
$$\frac{-x}{x+22} - \frac{x+22}{x}$$
 Short (1.5)

$$\frac{\times}{\times} \frac{-\times}{\times} - \frac{\times}{\times} \frac{+\partial 2}{\times} \frac{\times}{\times} \frac{+\partial 2}{\times}$$

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4. [3] (FractionWks#2) You have 8 oz of mocha that is 25% espresso sitting in a 16 oz cup. Write a rational expression in x whose values give the percentage (in decimal form) of espresso in the cup when x oz of espresso are added to it.

Stertwish:
$$8 \text{ maxoz} \cdot ... \frac{35}{0.35} \text{ espresso oz} = 3 \text{ espresso oz}$$

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just with the enswer of controlictory work [5]