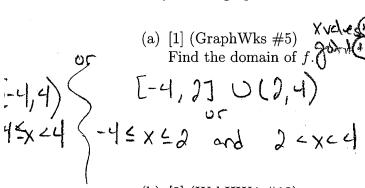
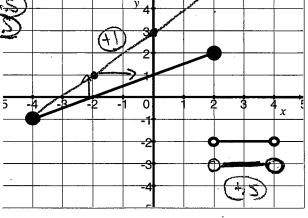
## Quiz 2

Key

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) [3] (WebHW4 #13)

Write an equation for the function  $f(x) = \begin{cases} f(x) & \text{if } x \neq 1 \\ -f(x) & \text{otherwise} \end{cases}$ 

 $if -4 \le x \le 2$  if 2 < x < 4

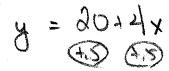
| I've w/ pos slope Slope = (1'se =  $\frac{1}{2}$  (1.5) y-intercept @ | (1.5) =>  $y = \frac{3}{2} \times 1$  | (5) | | (1.5) (c) [3] (§1.5 #16) Graph 27(x) + 1.

nois me

45 vert sketzh by 2 ie nutt y chad by 2

oder (F.S)

- 2. (WebHW4 #16) It costs a \$20 flat fee to rent a power drill, plus \$4 a day starting with the first day.
  - (a) [2] Write a function that represents the total charge as a function of days.





(b) [1] Define any variables you used above. (i.e. if you used x, say what x means.)

