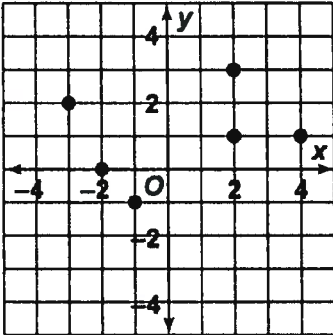


Practice 2-1

Name: *Key*

1. Write the ordered pairs for the relation. Find the domain and range.



$$(-3, 2) (-2, 0) (-1, -1) (2, 1) (2, 3) (4, 1)$$

$$D: -3, -2, -1, 2, 4$$

$$R: 2, 0, -1, 1, 3$$

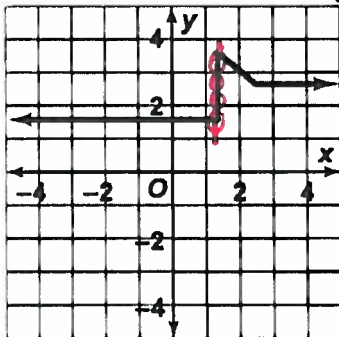
2. Determine whether the relation $\{(-2, 3), (-5, 0), (3, 0), (1, 1)\}$ is a function. Explain your reasoning.

Yes: one output for each input

3. Delete one ordered pair so that the relation $\{(-4, 2), (1, 6), (0, 0), (-4, 6)\}$ is a function.

or →

4. Determine whether the graph represents a function. Explain your reasoning.



No; Does not pass vertical line test.

5. Find $f(-5)$ for each function.

a. $f(x) = 5x + 35$

$$f(-5) = 5(-5) + 35 = -25 + 35 = 10$$

$$f(-5) = \boxed{10}$$

b. $f(x) = x^2 - x$

$$f(-5) = (-5)^2 - (-5) \\ -10 + 5 = -5$$

$$f(-5) = \boxed{-5}$$