



Name \_\_\_\_\_

Class \_\_\_\_\_

- d. The set of all possible  $y$ -values for a function is called the **range** of that function. Describe the range of the function in the graph. Explain your reasoning.

Range:  $\underline{\hspace{1cm}} \leq y \leq \underline{\hspace{1cm}}$ . Translate the inequality into words.

- e. If the endpoints of the line segment were open circles, how would the domain and the range change?

**Move to page 3.2.**

3. Grab point  $P$  and move it along the graph.
  - a. Identify the domain using an inequality and using interval notation.
  - b. Identify the range using an inequality and using interval notation.

**Move to page 4.2.**

4. Grab point  $P$  and move it along the graph.
  - a. Identify the domain using an inequality and using interval notation.
  - b. Identify the range using an inequality and using interval notation.