Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_ Block \_\_\_\_\_\_\_\_

Functions and Relations

1) What is a relation? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2) What is a function? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Use the graph below to answer questions 3 - 7

 

3) List the ordered pairs shown on the graph. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4) Is it a relation? \_\_\_\_\_\_ How do you know? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5) Is it a function? \_\_\_\_\_ How do you know? \_\_\_\_\_\_\_\_\_\_\_\_\_\_

6) What is the domain?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7) What is the range? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

8) True or False?

 \_\_\_\_\_\_ a) All functions are relations. Explain: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 \_\_\_\_\_\_ b) All relations are functions. Explain: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_