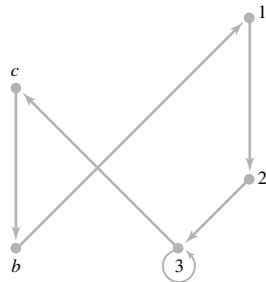


4.8

Concept of a Relation

• Example 1

Write, in extension, the relation defined by the following graph.

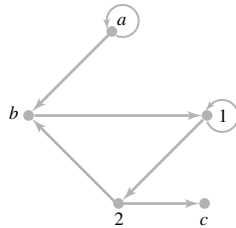


The relation determined by the graph is

$$\{(b, 1), (1, 2), (2, 3), (3, c), (c, b), (3, 3)\}$$

• • • CHECK YOURSELF 1

Write, in extension, the relation defined by the following graph.



• • • CHECK YOURSELF ANSWER

1. $\{(a, a), (a, b), (b, 1), (1, 1), (1, 2), (2, b), (2, c)\}$.

4.8 Exercises

Name _____

Section _____

Date _____

ANSWERS

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

Write, in extension, the relations defined by each of the following graphs.

