

## Exercises

1. The set of states in the United States

$$US = \{CA, NY, TX\}$$

$$CA = \{SF, LA, SD\}$$

$$NY = \{NYC, ALB, BUF\}$$

$$TX = \{AUS, DAL, HOU\}$$

2.

a. True

b. False

c. False

d. False

(Can an object be a set?)  
(✓)

3.

a. True

b. True

c. True

d. False

e. True

4.

$$G = \{1, 2, 3, 4, 5, 6, 7, 8, 9\}$$

none of the sets? What does it mean that a set can be identified with another?

5. a, c

(b and d are sets containing zero?)

7.

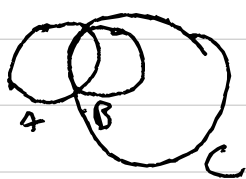
$$A = \{1, 2, 3, 4, 5\}$$

$$B = \{2, 3, 4\}$$

$$C = \{0, 2, 3, 4, 9\}$$

8.

a.



b.

