

Quiz 3

$$A = \{a, b, c, d\}$$

$$B = \{b, c, d\}$$

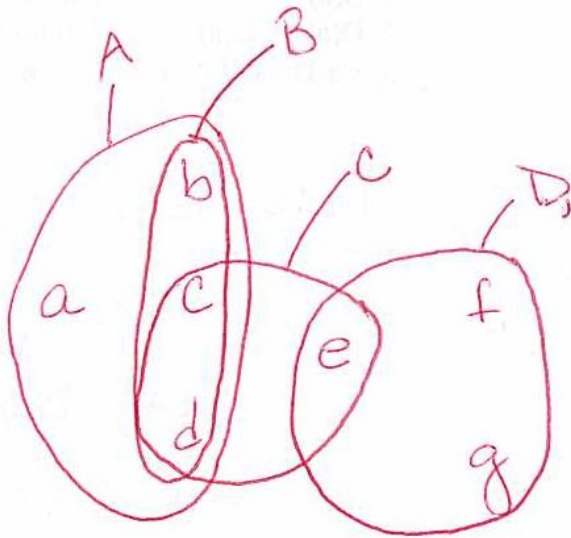
$$C = \{c, d, e\}$$

$$D = \{e, f, g\}$$

$$E = \{e, f, g\}$$

2 pts.

1. Draw a Venn diagram for sets A, B, C, D, and E.



0.5 pt.

2. True or False: $B \subseteq A$.

0.5 pt.

3. True or False: $A \supset B$.

0.5 pt.

4. True or False: $(A \cup B) = A$.

0.5 pt.

5. True or False: $(A \cap B) \supseteq (B \cap C)$.

$$\{b, c, d\} \supseteq \{c, d\}$$

0.5 pt.

6. True or False: $D \supseteq E$.

0.5 pt.

7. True or False: $|A-B| = |B-A|$.