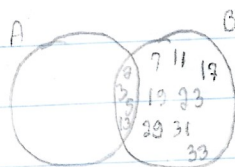


$$j. (A \cap B) \cup (B - A) = \{2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 33\}$$

$$A \cap B = \{2, 3, 5, 13\}$$

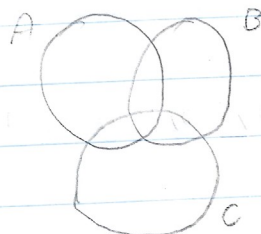
$$B - A = \{7, 11, 17, 19, 23, 29, 31, 33\}$$



$$k. (A - B) \cap (C - A) = \emptyset$$

$$A - B = \{0, 1, 8, 21, 34, 55\}$$

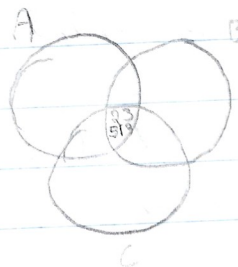
$$C - A = \{ \}$$



$$l. (A \cap B) \cap (B \cup C) = \{2, 3, 5, 13\}$$

$$A \cap B = \{2, 3, 5, 13\}$$

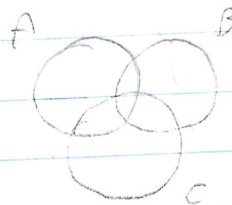
$$B \cup C = \{2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 33\}$$



$$m. (A - B) \cap (B \cup C) = \{ \}$$

$$A - B = \{0, 1, 8, 21, 34, 55\}$$

$$B \cup C = \{2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 33\}$$

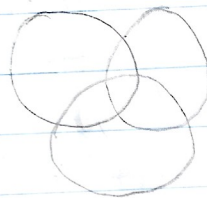


$$n. (B - C) \cup (A - C) \cup (B - A) = \{0, 1, 7, 8, 11, 17, 19, 21, 23, 29, 31, 33, 34, 55\}$$

$$(B - C) = \{7, 11, 17, 19, 23, 29, 31, 33\}$$

$$A - C = \{0, 1, 8, 21, 34, 55\}$$

$$B - A = \{7, 11, 17, 19, 23, 29, 31, 33\}$$



$$o. (A \Delta B) \cap (A \Delta C) \cap (B \Delta C) = \{ \}$$

$$A \Delta B = \{0, 1, 8, 21, 34, 55\}$$

$$A \Delta C = \{0, 1, 8, 21, 34, 55\}$$

$$B \Delta C = \{7, 11, 17, 19, 23, 29, 31, 33\}$$

