(b) $(A \cap C) = \{1, 2, \ldots 10\} \cap \{2, 4, 6 \ldots 20\}$

$= \{2, 4, 6, 8, 10\}$

(c) $(A \cup B) = \{1, 2, 3 \ldots 20\}$

$(A \cup B) \setminus C = \{1, 2, 3 \ldots 20\} \setminus \{2, 4, 6 \ldots 20\}$

$= \{1, 3, 5, 7, 9, 11, 13, 15, 17, 19\}$

(d) $(A \cap B) = \{10\}$

$(A \cap B) \setminus C = \{10\} \setminus \{2, 4, 6 \ldots 20\}$

$= \{\}$

Answer no: 10

Given that,

$A \setminus B = \{1, 5, 7, 8\}$

$B \setminus A = \{2, 10\}$

$A \cap B = \{3, 6, 9\}$

For, $A \setminus B$ where elements are in A but not in B

$B \setminus A$ where elements are in B but not in A

$A \cap B$ where elements in both A and B