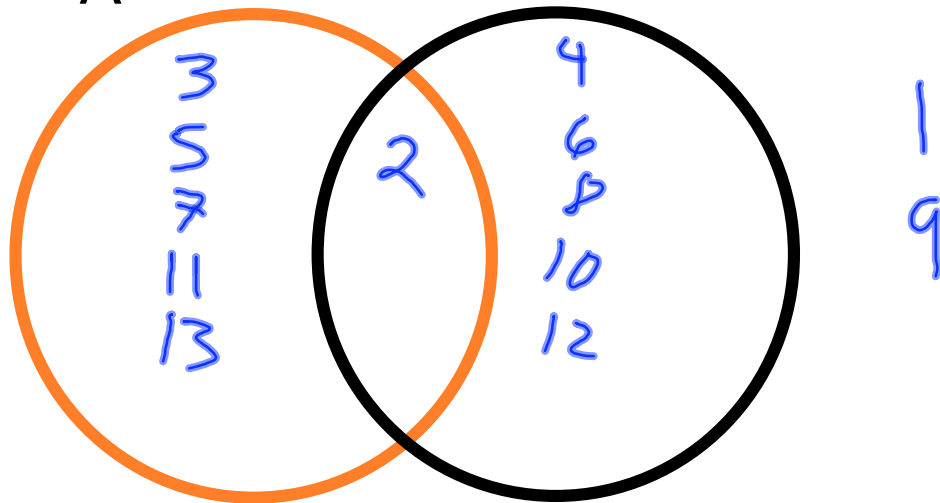


Union

A = PRIME

B = EVEN



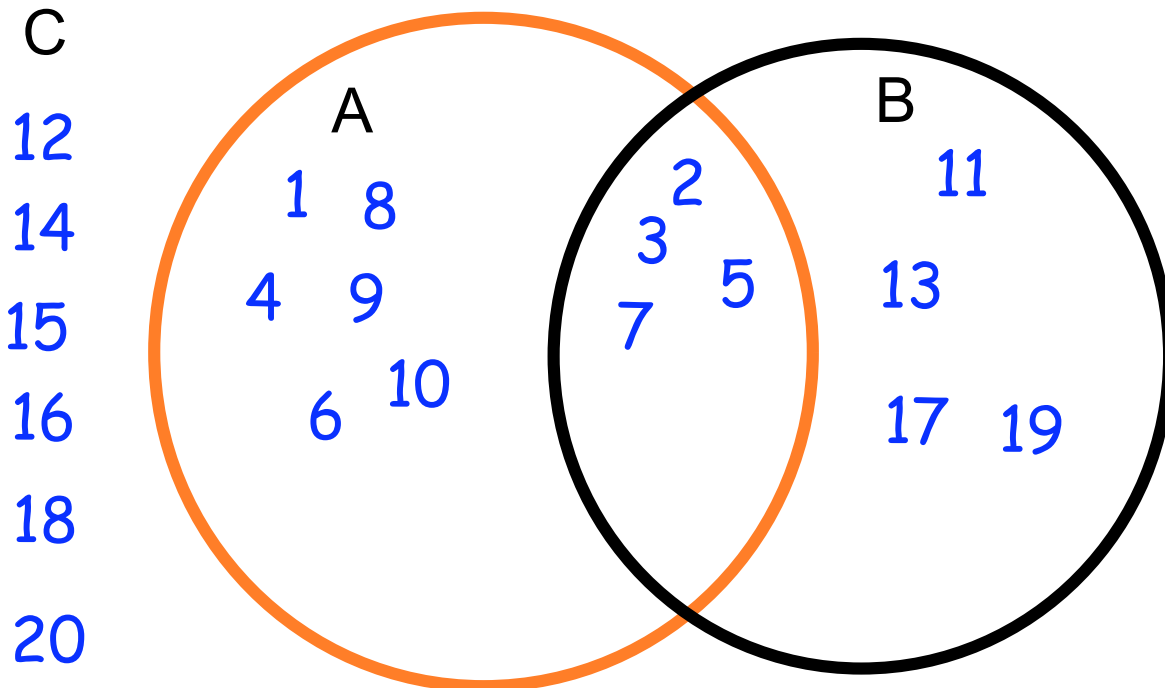
$$A \cup B = \{2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 13\}$$

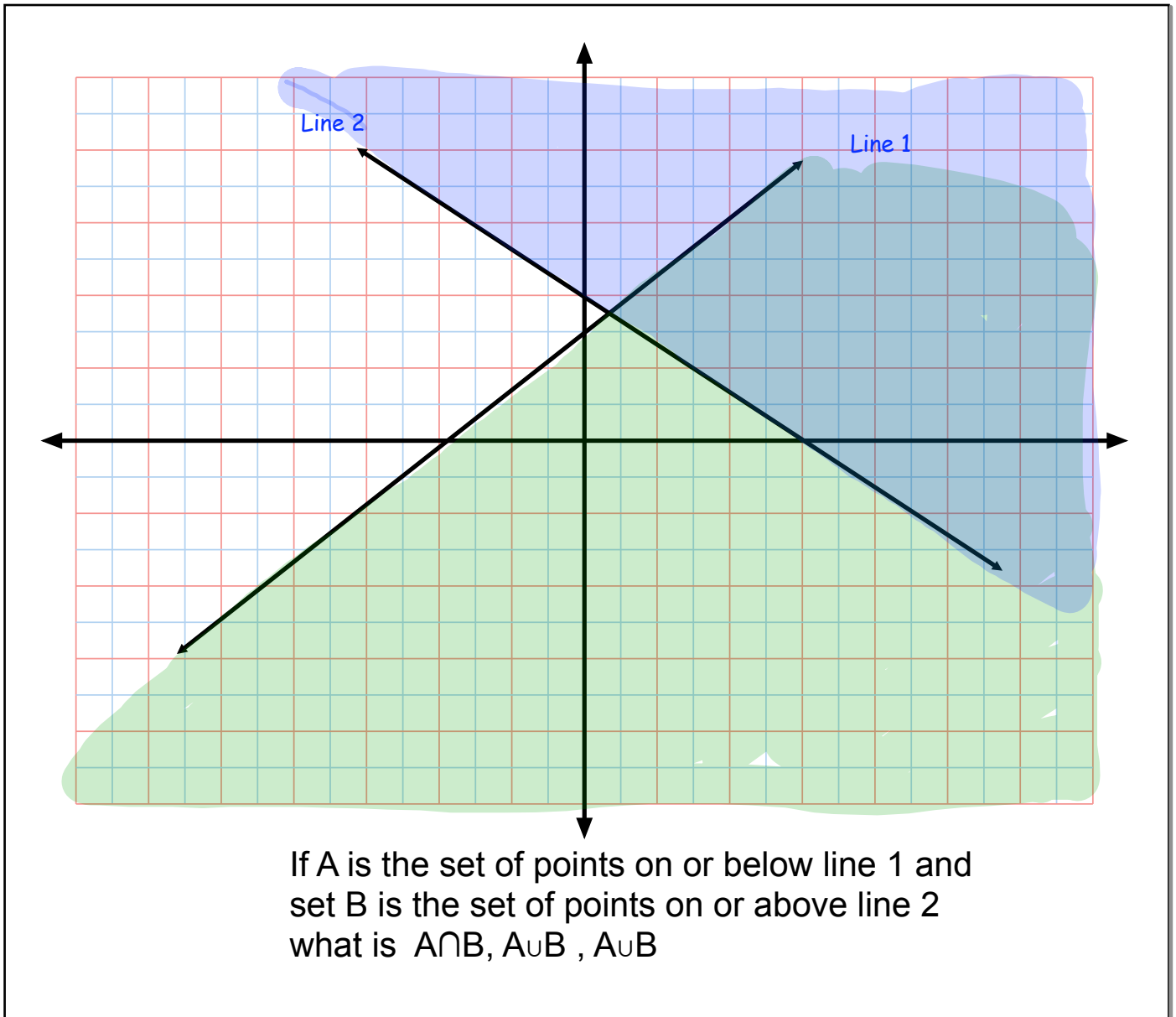
$A = \{a: 1 \leq a \leq 10 \text{ and is an integer}\}$

$B = \{b: \text{prime number less than } 20\}$

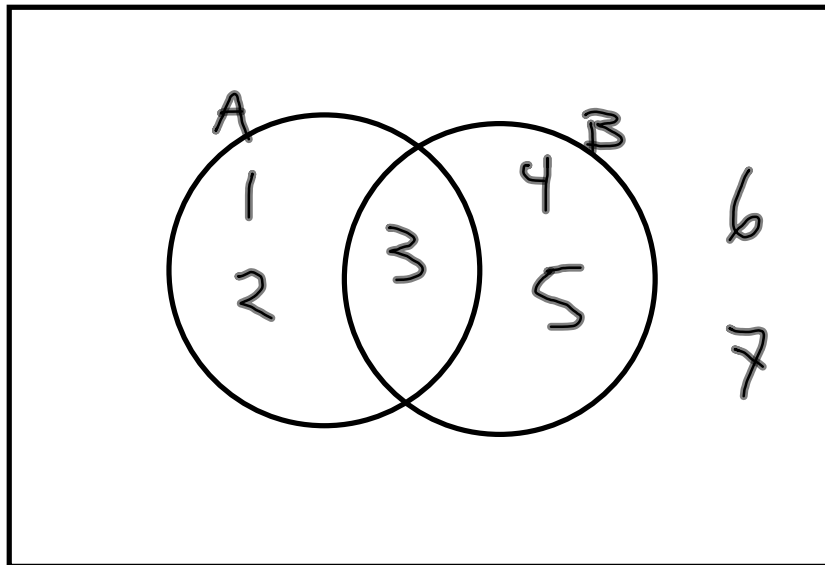
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20

C





#7)



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

$$\bar{A} = \{4, 5, 6, 7\}$$

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

$$A \cap B = \{3\}$$

$$\overline{A \cup B} = \{6, 7\}$$

$$P = \{8, 11, 13, 21, 24, 25, 31\}$$

$$A = \{ \quad \}$$

$$B = \{ \quad \}$$

$$\text{Pa) } A \cap B = \{3, 5, 7\}$$