

Section 2.3, #25

Partition

$$U = 45$$

$$B = 2A \rightarrow$$
$$C = 3B = 3(2A)$$
$$C = 6A$$

$$45 = A + B + C$$
$$= A + 2A + 6A$$

$$45 = 9A \Rightarrow$$

$$A = \frac{45}{9} = 5$$

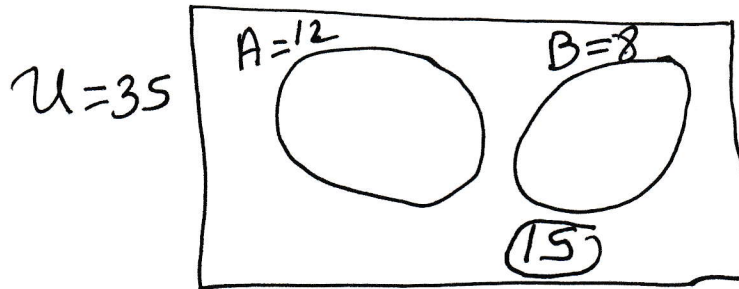
$$B = 2A = 10$$

$$C = 6A = 30$$

#27)

$$U = 35, A = 12, B = 8$$

disjoint



$$A' \cap B'$$
$$= 15$$