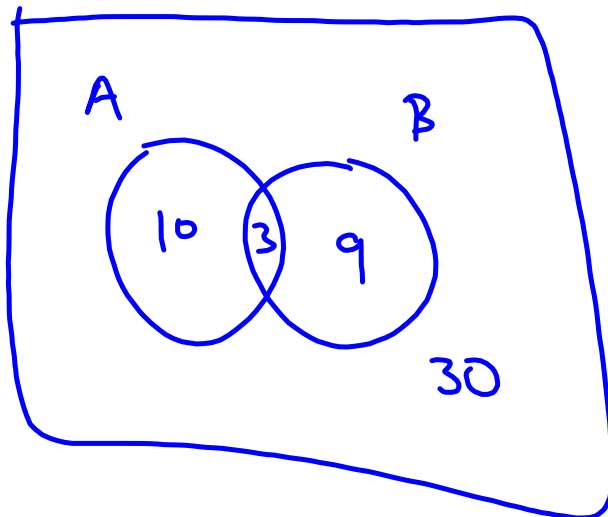


1. $P(A \cap B)$

$$\frac{3}{10} \times \frac{1}{2} = \frac{3}{20}$$

3. $P((A \cup B)')$

$$\frac{30}{52} = \frac{15}{26}$$



4. $-1 \left(\frac{10}{15} \right) + 2 \left(\frac{3}{15} \right) + 5 \left(\frac{2}{15} \right) = 0.40$

$$5. \text{ a) } \frac{6+2}{15} = \frac{8}{15}$$

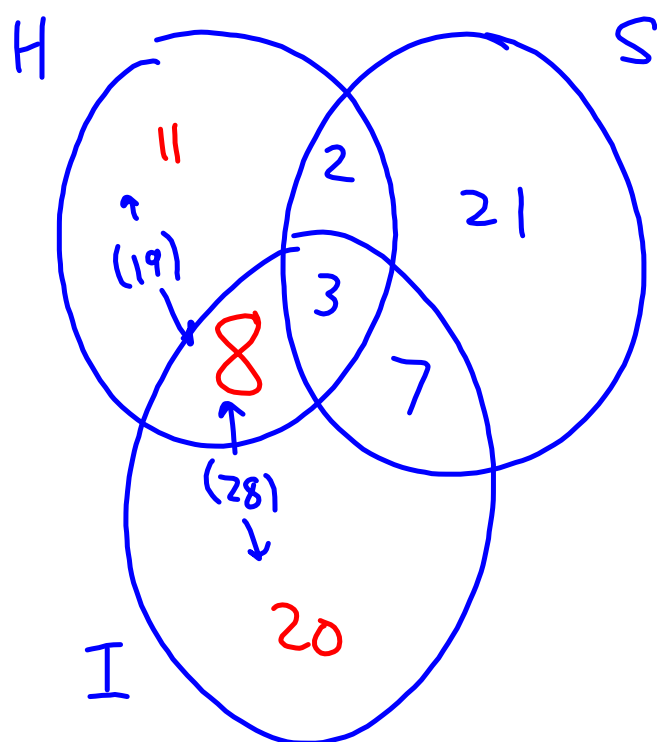
$$\text{b) } \frac{6+2+4}{15} = \frac{12}{15}$$

$$\text{c) } \frac{6+4+3}{15} = \frac{13}{15}$$

$$\text{d) } \frac{2}{6+2} = \frac{2}{8} = \frac{1}{4}$$

$$\text{e) } \frac{6}{15}$$

$$\text{f) } P(A \cup B') = \frac{6+2+3}{15} = \frac{11}{15}$$



$$2 + 3 + 7 + 21 + 19 + 28 = 84$$

$$84 - 72 = 8$$