

C1MT p8 Ex 1B.

1. a)  $P(\text{seen 3 or 4 rabbits})$

$$= \frac{7+2}{20}$$
$$= \frac{9}{20}$$
$$= \underline{\underline{\frac{9}{20}}}$$

b)  $P(\text{seen 6 rabbits})$

$$= \frac{0}{20}$$
$$= \underline{\underline{0}}$$

c)  $P(\text{seen at least one rabbit})$

$$= 1 - P(\text{seen no rabbits})$$

$$= 1 - \frac{0}{20}$$

$$= \underline{\underline{1}}$$

2. a)  $P(\text{here on business})$

$$= \frac{605+17}{1269+\dots+39}$$

$$= \frac{622}{3272}$$

$$= \frac{311}{1636}$$
$$= \underline{\underline{\frac{311}{1636}}}$$

b)  $P(\text{came by sea})$

$$= \frac{336+17+55+39}{3272}$$

$$= \frac{447}{3272}$$
$$= \underline{\underline{\frac{447}{3272}}}$$

c)  $P(\text{came by air for F&R})$

$$= \frac{627}{3272}$$
$$= \underline{\underline{\frac{627}{3272}}}$$

d)  $P(\text{business came by sea})$

$$= \frac{17}{447}$$
$$= \underline{\underline{\frac{17}{447}}}$$