

3.6

$$\text{Ex 1) } \frac{1}{6} \cdot \frac{1}{2} = \frac{1}{12}$$

$$2) \quad 0.55 \times 0.40 = 0.22$$

3) i) indep.

$$\frac{1}{6} \cdot \frac{1}{2} = \frac{1}{12}$$

$$\text{ii) } \frac{3}{6} \cdot \frac{3}{6} = \frac{9}{36} = \frac{1}{4} = 0.25$$

$$\text{iii) } \frac{13}{52} \cdot \frac{12}{51} \cdot \frac{11}{50} \cdot \frac{10}{49} \cdot \frac{9}{48} = 0.000495$$

$$\text{ex 4) } P(A \cap B) = P(A) \cdot P(B)$$
$$0.3 = 0.5 \times 0.6$$

✓

$$\text{ex.5) a) } 0.7 \times 0.6 = 0.42$$

$$\text{b) } 0.7 \times 0.4 = 0.28$$

$$\text{c) } 0.3 \times 0.4 = 0.12$$