1 (i) 1

(ii) 0, impossible

(iii) 1, sure

(iv) 1

(v) $0 \leq P \leq 1$

2 (i) no

(ii) no

(iii) yes

(iv) yes

3 outcomes when a coin is tossed

$= 2$ (1H, 1T)

$P(H) = \frac{1}{2}$, $P(T) = \frac{1}{2}$

$\therefore P(H) = P(T)$

4. -1.5

5. $P(\text{not } E) = 1 - P(E)$

$= 1 - 0.05$

$= 0.95$

6. $P(\text{orange candy}) = 0$

$P(\text{lemon candy}) = 1$