

$$4 = 2084$$

$$a) \quad E_A = d \cdot d = d^2$$

$$E_B = (d+1) \cdot (d+1) = (d+1)^2$$

$$b) i) 200 d^2 = 128 (d+1)^2 \Leftrightarrow$$

$$25 d^2 = 16 (d^2 + 2d + 1) \Leftrightarrow$$

$$9d^2 - 32d - 16 = 0$$

$$\Delta = 1024 + 576 = 1600$$

$$d = \frac{32 \pm 40}{2 \cdot 9} \Leftrightarrow d = 4$$

$$\text{in } d = -\frac{8}{18} \text{ anap}$$

$$A \rightarrow 4 \text{ cm}$$

$$B \rightarrow 5 \text{ cm}$$

$$c) 200 \cdot 4^2 = 200 \cdot 16 = 3200 \text{ cm}^2$$