

Question 3

$$\begin{aligned} \text{(a)} \quad L &= 3w + 5 \\ &= 3 \times 0.4 + 5 \\ &= 3 \times 40 + 5 \\ &= 125 \end{aligned}$$

$$\begin{aligned} \text{(b)} \quad &-2(-1^2 - 4 \times -2) \\ &= -2(1 + 8) \\ &= -2 \times 9 \\ &= -18. \end{aligned}$$

$$\text{(c)} \quad -3n - 4$$

$$\begin{aligned} \text{(d)} \quad \text{(i)} \quad &a^2 - 2ba + ab + 2b^2 \\ &= a^2 - 2ab + ab + 2b^2 \\ &= a^2 - ab + 2b^2 \end{aligned}$$

(ii) minus

$$\begin{aligned} \text{(e)} \quad \text{(i)} \quad &95p \times \text{bananas} \\ &= 95n \end{aligned}$$

(ii) Total cost is $95n + 7$ in pence
In pounds total cost is $\frac{95n + 7}{100}$

$$C = \frac{95n + 7}{100}$$