

## Ex 4.4

$$D = 0$$

$$\begin{aligned}x &= \frac{-b \pm \sqrt{D}}{2a} \\&= \frac{40 \pm 0}{2 \times 1} \\&= \frac{40}{2} \\&= 20\end{aligned}$$

$$\begin{aligned}\therefore \text{length} &= x = 20 \text{ m} \\ \text{breadth} &= 40 - x \\ &= 40 - 20 \\ &= 20 \text{ m}\end{aligned}$$