

$$b = 6$$

$$a = 4$$

$$-b = -6$$

$$c = -3$$

Solve $4x^2 + 6x - 3 = 0$ to 1 d.p.

$$\begin{aligned}\sqrt{(b^2 - 4ac)} &= \sqrt{(6^2 - 4 \times 4 \times (-3))} \\ &= 9.17 \quad (\text{keep to 2 decimal places})\end{aligned}$$

$$\frac{(-b + 9.17)}{2a}$$

$$2a$$



$$\frac{(-6 + 9.17)}{2 \times 4}$$

$$2 \times 4$$

$$x = 0.4$$

$$\frac{(-b - 9.17)}{2a}$$

$$2a$$



$$\frac{(-6 - 9.17)}{2 \times 4}$$

$$2 \times 4$$

$$x = -1.9$$

(Answers to 1 decimal place)