## Quadratic Formula

Solve $3 x^{2}+5 x-7=0$

$$
\begin{aligned}
& x=\frac{-b \pm \sqrt{b^{2}-4 a c}}{2 a} \\
& x=\frac{-5 \pm \sqrt{5^{2}-4 \times 3 \times(-7)}}{6} \\
& x=\frac{-5 \pm \sqrt{109}}{6}
\end{aligned}
$$ giving your answer to 2 significant figures.

$$
\begin{aligned}
& a=3 \\
& b=5 \\
& c=-7
\end{aligned}
$$

$$
x=0 \cdot 9067 \quad x=-2 \cdot 57338
$$

$$
x=0.91 \quad x=-2.6
$$

