





## Solving:

## Factorising:

easy.

$$
\begin{array}{ccc}
x^{2}+7 x+12=0 \\
(x+3)(x+4)=0 \\
x=-3 \text { or } x=-4
\end{array} \quad \text { difficult! } \begin{gathered}
3 x^{2}-5 x+2 \\
3 x^{2}-3 x-2 x+2 \\
3 x(x-1)-2(x-1) \\
(3 x-2)(x-1)
\end{gathered}
$$

- Completing the square
- Drawing a graph


## Quadratic Equations



## The formula:

$$
x=\frac{-b \pm \sqrt{b^{2}-4 a c}}{2 a}
$$






