# Disguised Quadratic Equations

### Previously:

is the highest power

Can be factorized in order to solve using The Zero Trick

You can complete the square

There is a formula

would have the shape of a parabola

### Prior Knowledge:

To solve quadratic equations by various methods

### Activities:

### Aims:

To solve disguised quadratic equations

To how to choose which method to use

### Activities:

Examples, with discussion of different methods

Notes: at first it doesn’t look like a quadratic, so be alert.

Try to factorise for around 30 seconds.

Complete the square if it’s an even coefficient of x and just

Otherwise, use the formula.

Section A and B

### Extension Aims:

To factorise other mathematical expressions and numbers

### Activities:

Section D + E

To know that quadratics do not always have solutions and to recognise these situation

Section B