# Drawing Quadratic Graphs

Draw the graph $y = x^2 - x - 6$

Firstly we need to complete our grid by substituting the x values into the equation

| x | -3 | -2 | -1 | 0 | 1 | 2 | 3 | 4 |
|---|----|----|----|---|---|---|---|---|
| Y | 6 | 0 | -4 | -6 | -6 | -4 | 0 | 6 |

We can now use the grid and plot the coordinates

We finally draw our line through the points

Quadratic ($x^2$) graphs are curved

Can you see a pattern?