

N5 - Relationships

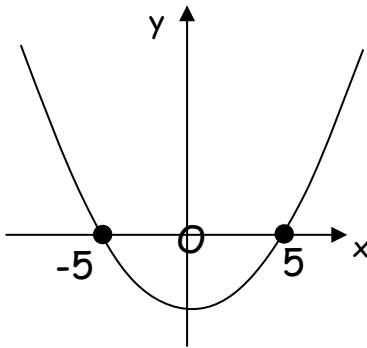
Worksheet 3

Bronze Level

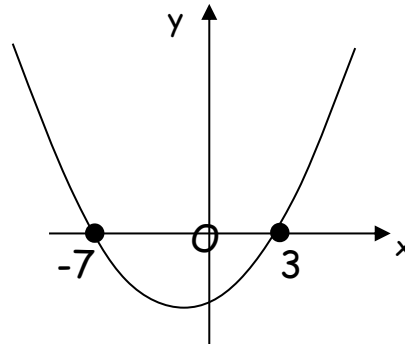
Outcome 1 - Graphically

Solve the following quadratic equations graphically...

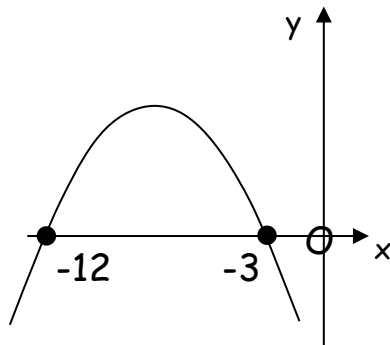
1



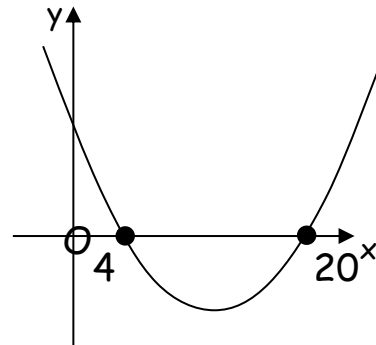
2



3



4



Outcome 2 - Factorising

Solve the following quadratic equations...

1

$$(x + 7)(x - 3) = 0$$

2

$$(x + 8)(x - 8) = 0$$

3

$$x(x - 22) = 0$$

4

$$4x(x - 5) = 0$$

Outcome 3 - Quadratic Formula

Solve the following quadratic equations rounding your solutions to 1 decimal place...

$$\frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

1

$$x^2 + 15x + 1 = 0$$

2

$$x^2 + 10x + 5 = 0$$

3

$$2x^2 + 6x + 2 = 0$$

4

$$3x^2 + 11x + 4 = 0$$