



QUADRATIC EQUATIONS

SOLVE BY FACTORISING

NO CALCULATOR

Ref: G233. **1F1**

A1 Solve $x^2 + 7x + 10 = 0$	A2 Solve $x^2 + 8x + 15 = 0$	A3 Solve $x^2 + 7x + 12 = 0$	A4 Solve $x^2 + 10x + 9 = 0$
B1 Solve $x^2 + 3x - 10 = 0$	B2 Solve $x^2 - 2x - 15 = 0$	B3 Solve $x^2 - 8x + 12 = 0$	B4 Solve $x^2 - 3x - 18 = 0$
C1 Solve $x^2 + 6x + 9 = 0$	C2 Solve $x^2 - 6x + 9 = 0$	C3 Solve $x^2 - 10x + 25 = 0$	C4 Solve $x^2 + 8x + 16 = 0$
D1 Solve $x^2 + 3x = 18$	D2 Solve $x^2 - 5x = 14$	D3 Solve $x^2 + 3x = 4$	D4 Solve $x^2 - 11x = -28$



QUADRATIC EQUATIONS SOLVE BY FACTORISING

NO CALCULATOR

Ref: G233. **1F1**

<p>A1 Solve</p> $x^2 + 7x + 10 = 0$ $(x + 2)(x + 5) = 0$ <p style="text-align: center;"> </p> <p>$x = -2$ $x = -5$</p>	<p>A2 Solve</p> $x^2 + 8x + 15 = 0$ $(x + 3)(x + 5) = 0$ <p style="text-align: center;"> </p> <p>$x = -3$ $x = -5$</p>	<p>A3 Solve</p> $x^2 + 7x + 12 = 0$ $(x + 3)(x + 4) = 0$ <p style="text-align: center;"> </p> <p>$x = -3$ $x = -4$</p>	<p>A4 Solve</p> $x^2 + 10x + 9 = 0$ $(x + 1)(x + 9) = 0$ <p style="text-align: center;"> </p> <p>$x = -1$ $x = -9$</p>
<p>B1 Solve</p> $x^2 + 3x - 10 = 0$ $(x - 2)(x + 5) = 0$ <p style="text-align: center;"> </p> <p>$x = 2$ $x = -5$</p>	<p>B2 Solve</p> $x^2 - 2x - 15 = 0$ $(x - 5)(x + 3) = 0$ <p style="text-align: center;"> </p> <p>$x = 5$ $x = -3$</p>	<p>B3 Solve</p> $x^2 - 8x + 12 = 0$ $(x - 6)(x - 2) = 0$ <p style="text-align: center;"> </p> <p>$x = 6$ $x = 2$</p>	<p>B4 Solve</p> $x^2 - 3x - 18 = 0$ $(x - 6)(x + 3) = 0$ <p style="text-align: center;"> </p> <p>$x = 6$ $x = -3$</p>
<p>C1 Solve</p> $x^2 + 6x + 9 = 0$ $(x + 3)(x + 3) = 0$ <p style="text-align: center;"> </p> <p>$x = -3$</p>	<p>C2 Solve</p> $x^2 - 6x + 9 = 0$ $(x - 3)(x - 3) = 0$ <p style="text-align: center;"> </p> <p>$x = 3$</p>	<p>C3 Solve</p> $x^2 - 10x + 25 = 0$ $(x - 5)(x - 5) = 0$ <p style="text-align: center;"> </p> <p>$x = 5$</p>	<p>C4 Solve</p> $x^2 + 8x + 16 = 0$ $(x + 4)(x + 4) = 0$ <p style="text-align: center;"> </p> <p>$x = -4$</p>
<p>D1 Solve</p> $x^2 + 3x = 18$ $x^2 + 3x - 18 = 0$ $(x - 3)(x + 6) = 0$ <p style="text-align: center;"> </p> <p>$x = 3$ $x = -6$</p>	<p>D2 Solve</p> $x^2 - 5x = 14$ $x^2 - 5x - 14 = 0$ $(x - 7)(x + 2) = 0$ <p style="text-align: center;"> </p> <p>$x = 7$ $x = -2$</p>	<p>D3 Solve</p> $x^2 + 3x = 4$ $x^2 + 3x - 4 = 0$ $(x - 1)(x + 4) = 0$ <p style="text-align: center;"> </p> <p>$x = 1$ $x = -4$</p>	<p>D4 Solve</p> $x^2 - 11x = -28$ $x^2 - 11x + 28 = 0$ $(x - 7)(x - 4) = 0$ <p style="text-align: center;"> </p> <p>$x = 7$ $x = 4$</p>