

## Solving Quadratic Equations Revision

<b>(a)</b>	<b>(b)</b>	<b>(c)</b>	<b>(d)</b>
Solve $x^2 = 9$  $x = 3$ or $x = -3$	Solve $x^2 - 7x + 10 = 0$  $x = 2$ or $x = 5$	Solve $x^2 - 5x + 6 = 0$  $x = 3$ or $x = 2$	Solve $x^2 + 8x + 12 = 0$  $x = -6$ or $x = -2$
<b>(e)</b>	<b>(f)</b>	<b>(g)</b>	<b>(h)</b>
Solve $x^2 + 2x - 8 = 0$  $x = -4$ or $x = 2$	Solve $x^2 + 10x + 21 = 0$  $x = -3$ or $x = -7$	Solve $x^2 - 3x - 18 = 0$  $x = 6$ or $x = -3$	Solve $x^2 - 1 = x + 5$  $x = 3$ or $x = -2$
<b>(i)</b>	<b>(j)</b>	<b>(k)</b>	<b>(l)</b>
Solve $3x^2 - 7x + 2 = 0$  $x = \frac{1}{3}$ or $x = 2$	Solve $x^2 + 5x + 2 = 0$ , giving your solutions to 3 significant figures.  $x = -0.438$ or $x = -4.56$	Solve $x^2 + 3x - 8 = 0$ , giving your solutions to 3 significant figures.  $x = 1.70$ or $x = -4.70$	Solve $3x^2 + 2x - 9 = 0$ , giving your solutions in surd form.  $x = \frac{-1 \pm 2\sqrt{7}}{3}$