

Question	Answer	Marks	Guidance
(a)	$x^2 - 8x + 11 = (x - 4)^2 \dots$ <b>or</b> $p = -4$	<b>B1</b>	If $p$ and $q$ -values given after <i>their</i> completed square expression, mark the expression and ISW.
	$\dots -5$ <b>or</b> $q = -5$	<b>B1</b>	
		<b>2</b>	
(b)	$(x - 4)^2 - 5 = 1$ so $(x - 4)^2 = 6$ so $x - 4 = [\pm]\sqrt{6}$	<b>M1</b>	Using <i>their</i> $p$ and $q$ values or by quadratic formula
	$x = 4 \pm \sqrt{6}$ <b>or</b> $\frac{8 \pm \sqrt{24}}{2}$	<b>A1</b>	Or <b>exact</b> equivalent. No FT; must have $\pm$ for this mark. ISW decimals 1.55, 6.45 if exact answers seen. If M0, <b>SC B1</b> possible for correct answers.
		<b>2</b>	



