

Factorising Quadratics $a > 1$		
<b>1(a)</b>	$2x^2 + 14x + 24 = (2x + 6)(x + 4)$	<b>[1]</b> – 1 correct bracket
	$(2x + 6)(x + 4)$	<b>[1]</b> – Final answer
<b>1(b)</b>	$3x^2 + 13x + 14 = (3x + 7)(x + 2)$	<b>[1]</b> – 1 correct bracket
	$(3x + 7)(x + 2)$	<b>[1]</b> – Final answer
<b>1(c)</b>	$3x^2 + 30x + 48 = (x + 8)(3x + 6)$	<b>[1]</b> – 1 correct bracket
	$(x + 8)(3x + 6)$	<b>[1]</b> – Final answer accept $(x + 2)(3x + 24)$
<b>1(d)</b>	$5x^2 + 39x + 28 = (x + 7)(5x + 4)$	<b>[1]</b> – 1 correct bracket
	$(x + 7)(5x + 4)$	<b>[1]</b> – Final answer
<b>1(e)</b>	$5x^2 + 27x + 10 = (x + 5)(5x + 2)$	<b>[1]</b> – 1 correct bracket
	$(x + 5)(5x + 2)$	<b>[1]</b> – Final answer
<b>2(a)</b>	$4x^2 + 20x + 16 = (2x + 2)(2x + 8)$	<b>[1]</b> – 1 correct bracket
	$(2x + 2)(2x + 8)$	<b>[1]</b> – Final answer
<b>2(b)</b>	$6x^2 + 32x + 42 = (3x + 7)(2x + 6)$	<b>[1]</b> – 1 correct bracket accept $(x + 1)(4x + 16)$
	$(3x + 7)(2x + 6)$	<b>[1]</b> – Final answer accept $(x + 3)(6x + 14)$
<b>2(c)</b>	$4x^2 + 18x + 8 = (x + 4)(4x + 2)$	<b>[1]</b> – 1 correct bracket
	$(x + 4)(4x + 2)$	<b>[1]</b> – Final answer
<b>2(d)</b>	$8x^2 + 46x + 30 = (8x + 6)(x + 5)$	<b>[1]</b> – 1 correct bracket
	$(8x + 6)(x + 5)$	<b>[1]</b> – Final answer
<b>2(e)</b>	$9x^2 + 24x + 16 = (3x + 4)(3x + 4)$	<b>[1]</b> – 1 correct bracket
	$(3x + 4)(3x + 4)$	<b>[1]</b> – Final answer
<b>3(a)</b>	$2x^2 - 18x + 16 = (x - 8)(2x - 2)$	<b>[1]</b> – 1 correct bracket
	$(x - 8)(2x - 2)$	<b>[1]</b> – Final answer $(x - 21)(2x - 16)$
<b>3(b)</b>	$7x^2 - 8x + 1 = (x - 1)(7x - 1)$	<b>[1]</b> – 1 correct bracket
	$(x - 1)(7x - 1)$	<b>[1]</b> – Final answer
<b>3(c)</b>	$6x^2 - 22x + 12 = (2x - 6)(3x - 2)$	<b>[1]</b> – 1 correct bracket
	$(2x - 6)(3x - 2)$	<b>[1]</b> – Final answer

Turn over ►

<b>3(d)</b>	$3x^2 - 20x + 12 = (x - 6)(3x - 2)$	<b>[1]</b> – 1 correct bracket
	$(x - 6)(3x - 2)$	<b>[1]</b> – Final answer
<b>3(e)</b>	$8x^2 - 26x + 6 = (x - 3)(8x - 2)$	<b>[1]</b> – 1 correct bracket
	$(x - 3)(8x - 2)$	<b>[1]</b> – Final answer
<b>4(a)</b>	$2x^2 + 2x - 12 = (2x - 4)(x + 3)$	<b>[1]</b> – 1 correct bracket
	$= (2x - 4)(x + 3)$	<b>[1]</b> – Final answer
<b>4(b)</b>	$3x^2 - 20x - 32 = (3x + 4)(x - 8)$	<b>[1]</b> – 1 correct bracket
	$(3x + 4)(x - 8)$	<b>[1]</b> – Final answer
<b>4(c)</b>	$3x^2 + 15x - 42 = (x + 7)(3x - 6)$	<b>[1]</b> – 1 correct bracket
	$(x + 7)(3x - 6)$	<b>[1]</b> – Final answer
<b>4(d)</b>	$5x^2 - 26x - 24 = (x - 6)(5x + 4)$	<b>[1]</b> – 1 correct bracket
	$(x - 6)(5x + 4)$	<b>[1]</b> – Final answer
<b>4(e)</b>	$7x^2 - 23x - 20 = (x - 4)(7x + 5)$	<b>[1]</b> – 1 correct bracket
	$(x - 4)(7x + 5)$	<b>[1]</b> – Final answer
<b>5(a)</b>	$6x^2 - 26x + 24 = (2x - 6)(3x - 4)$	<b>[1]</b> – 1 correct bracket
	$(2x - 6)(3x - 4)$	<b>[1]</b> – Final answer
<b>5(b)</b>	$8x^2 - 56x + 48 = (8x - 8)(x - 6)$	<b>[1]</b> – 1 correct bracket
	$(8x - 8)(x - 6)$	<b>[1]</b> – Final answer
<b>5(c)</b>	$6x^2 + x - 7 = (6x + 7)(x - 1)$	<b>[1]</b> – 1 correct bracket
	$(6x + 7)(x - 1)$	<b>[1]</b> – Final answer
<b>6(a)</b>	$(x + 8)(x - 8)$	<b>[1]</b> – Final answer
<b>6(b)</b>	$(x + y)(x - y)$	<b>[1]</b> – Final answer

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