	Section A: Algebra		
1 (a)	$\checkmark 11x - 2x^2$	4 (a)	$\checkmark x = 11$
(b)	✓ 21p ² q	(b)	\checkmark t = 6.5
(c)	4	(a)	✓ First step correct
(d)	✓ 7h ⁴	(c)	(Multiply bracket or Divide by 2)
(e)	2		$\checkmark x = 4$
(e)	$\checkmark \frac{3}{y^2}$	(d)	✓ First step correct (as above)
2.			$\checkmark x = 3$
(a)	$\checkmark x^2 + 3x + x + 3$	(e)	$\checkmark x = 2, 3$
	$ \begin{array}{c} \checkmark & x^{2} + 3x + x + 3 \\ \checkmark & = x^{2} + 4x + 3 \end{array} $ CAO $ \begin{array}{c} \checkmark & x^{2} + 7x - 5x - 35 \\ \checkmark & = x^{2} + 2x - 35 \end{array} $ CAO	(f)	$\checkmark x = -4, 5$
(b)	$\sqrt{x^2 + 7x - 5x - 35}$	(g)	✓ First correct step (+3)
	$\mathbf{v} = x^2 + 2x - 35$ CAO		✓ A second correct step (x4)
(c)			[or equivalent steps] ✓ y = 16 CAO
	$x^2 - 3x - 3x + 9$ $x^2 - 6x + 9$ CAO	(h)	-
(d)			$\checkmark x = 0.5,$ $\checkmark x = 4$
	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	_	v X = 4
	$-x^2 + 8x - 15$ CAO $\checkmark 2x - 10 - 3x + 21$	5 (a)	\checkmark A = 21
(e)	$\checkmark 2x - 10 - 3x + 21$ $\checkmark -x + 11$ CAO		$\checkmark B = 26$
3		(b)	✓ 1 each gradient and constant
(a)	$\checkmark 5x(1+3y)$	6	$\checkmark y = 4x - 3$
(b)	✓ $5x(1 + 3y)$ ✓ $4x^2y^2(y + 3x^2)$ ✓ $(x + 5)(x - 2)$ ✓ $(x - 7)(x + 4)$ ✓ $(y + 11)(y - 11)$	(a)	✓ -2
(c)	$\checkmark (x+5)(x-2)$	(b)	✓ d $y=0.5x^2-2$
	✓ (7)(- + A)	(c)	√ -6
(d)	(x - 1)(x + 4)	(d)	✓ -2, 3
(e)	(v+11)(v-11)	(e)	\checkmark $(x+2)(x-3)$ [1 mark each]

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7	\checkmark y = 5x - 8 [1 each for m and c]	17	$\checkmark \frac{12}{25}$
8	P = 2(2x - 3) + 2(x + 2) = 40 $ P = 6x - 2 = 40$		✓ Understanding of 48 / 100
	$\checkmark P = 6x - 2 = 40$ $\checkmark x = 7$ CAO	18	√ 0.65
9	$\checkmark \text{ Area} = 99 \text{ m}^2$	19	
			√ 66
40	✓ Units	20	$\checkmark x = \sqrt{(15^2 - 7^2)}$
10 (a)	✓ 490000	(a)	, ,
(b)			\checkmark x = 13.3
11	✓ 0.00436	(b)	$\checkmark y = 8 \cos 27$
(a)	✓ 376.34		✓ $y = 7.1$
(b)	✓ 0.0930	21	\checkmark A = tan ⁻¹ (11/6)
12			$\checkmark A = tan^{(11/6)}$ $\checkmark A = 61.4^{\circ}$
(a)	✓ 32.46	22	
(b)	✓ 3.42 (2dp)		$\checkmark x = \sqrt{(11^2 + 6^2)}$
(c)	✓ 15564.8	22	\checkmark x = 12.5 cm (1d.p.)
		23 (a)	$\checkmark \tan^{-1}(4/7) = 030^{\circ} \implies \frac{2^{\text{nd}}}{\text{mark}}$
(d)	✓ 6	(b)	if
(e)	√ 7		✓ 8.1 km failed to get
(f)	✓ 1	(c)	any $\checkmark 360 - 90 - 30 \qquad \text{here}$
12			
13	✓ 16:56:32 CAO		✓ 240°
	✓ Evidence of 1 representing 8	24 (a)	✓ 176 cm
14	✓ 329.12 kg CAO	(b)	
	✓ Signs of calculating 12%	(c)	✓ 0.5 cm
15	$\checkmark 5\frac{19}{30}$		✓ 26000 cm
		25 (a)	✓ 204 m^2 [1 mark for units]
16	$\checkmark 1\frac{61}{75}$	(b)	✓ 32 cm^2 [1 mark for units]
			, 32 cm [1 mark for units]