

Section A			
Question	Answer	Mark	Notes
1(a) (b)	9 64	W1 W1 2	allow 9×9
2(a) (b) (c)	8 14 24 two more terms in either sequence (not 1 or 2) 64 (any correct answer)	W2 W2 M1 A1 6	W1 for any 2^n for $n \geq 2$ seen W1 for each, allow $14n$ any two eg 16, 32 or 34, 44 W2 64, 1024 W1 4
3(a) (b)	AS BA BP BS MA MP MS SA SP SS $\frac{2}{12}$ isw	W2 W1 3	W1 for 5 correct terms, (ignore extras or repeats) or better, oe, correct format fit their (a)
4(a) (b) (c)	14 $2 \cdot 4$ or $2^{2/5}$ or $12/5$ $2x = 9$ $4 \cdot 5$ or $4^{1/2}$ or $9/2$	W1 W1 M1 A1 4	allow embedded answer oe, isw W2 $4 \cdot 5$ or $4^{1/2}$ or $9/2$ oe isw
5(a) (b) (c)(i) (ii)	(0)·15 any two fractions simplified or converted to a common denominator $24/30$ oe $6/17$ $2/8$ seen $5/8$	W1 W1 W1 W1 M1 A1 6	all $3/4$, 4 not factor of 30, use of eg 120 oe eg $8/32$ W2 $5/8$
6(a) (b)	5 along 1 down correct rotation	W1 W3 4	accept across, right, vectors $\pm 2\text{mm}$ W1 rotation W1 angle W1 centre ignore labelling unless more than one object given

Section A 25 marks