

21(a)	Rotation 90 anticlockwise oe (0,0) oe
21(b)	Rectangle with vertices at (1, -3) (3, -3) (3, -4) (1,-4)

22	Enlargement Centre (0,0) [Scale factor] 3
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2	15
8(a)	$\begin{pmatrix} 15 \\ -20 \end{pmatrix}$
8(b)	5
8(c)	(1, - 7)
20	$\frac{311}{990}$ oe fraction

23(a)	Correct rotation, points at (1, -1), (3, -1) and (1, -4)
23(b)	Translation $\begin{pmatrix} -6 \\ -4 \end{pmatrix}$
23(c)	Enlargement [scale factor] 2 [centre] (0, -2)

1	16 062
2(a)	0.75
2(b)	75
3(a)	6
3(b)	1000 cao
4(a)	83
4(b)	ruled perpendicular line through P
5	70
6	14 squares shaded
7(a)	3
7(b)	$\frac{1}{8}$ cao
8(a)	$-12 + 4 \div (2 - 3) = -16$
8(b)	$-3 - (4 + 5 - 7) = -5$
9	$\frac{13}{24} \frac{5}{8} \frac{2}{3} \frac{3}{4} \frac{11}{12}$
10(a)	Fully correct net
10(b)	30 cm ³
11(a)	2
11(b)	7
11(c)	2.5 or $2\frac{1}{2}$
11(d)	3

16(a)	6
16(b)(i)	4, -3
16(b)(ii)	-16, 9
16(c)	Triangle drawn with coordinates (1, -2), (2, -2) and (2, -5)

16(d)(i)	Enlargement [scale factor] 2 [centre] (-1, 0)
16(d)(ii)	Rotation 90° clockwise [centre] (2, 3)

3	UK by [\$]0.69 or [\$]0.692...
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