

|    |                                                 |
|----|-------------------------------------------------|
| 22 | Enlargement<br>Centre (0,0)<br>[Scale factor] 3 |
|----|-------------------------------------------------|

|      |                                           |
|------|-------------------------------------------|
| 2    | 15                                        |
| 8(a) | $\begin{pmatrix} 15 \\ -20 \end{pmatrix}$ |
| 8(b) | 5                                         |
| 8(c) | (1, - 7)                                  |
| 20   | $\frac{311}{990}$ oe fraction             |

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

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

|       |                                                                                 |
|-------|---------------------------------------------------------------------------------|
| 18(a) | <b>b – a</b>                                                                    |
| 18(b) | $-\frac{11}{8}\mathbf{a} + \frac{1}{2}\mathbf{b}$ oe simplified<br>final answer |

|      |                                          |
|------|------------------------------------------|
| 8(a) | $\begin{pmatrix} 14 \\ 13 \end{pmatrix}$ |
| 8(b) | 24                                       |