

# Q186 Transformations 2

- ① enlargement, scale factor -2, centre (4,6)
- ② enlargement, scale factor  $-\frac{1}{3}$ , centre (2,2)
- ③ correct enlargement from defined centre
- ④ correct enlargement from defined centre
- ⑤ correct enlargement from defined centre
- ⑥ a) correct enlargement from defined centre  
b) enlargement, scale factor  $-\frac{1}{2}$ , centre (0,0)
- ⑦ a) correct reflection  
b) (-1,1)
- ⑧ a) correct enlargement from defined centre  
b) (-2,3)

1.2.10.17 Ellip

$$\begin{pmatrix} 2 \\ 0 \end{pmatrix} \text{ (1)}$$

$$\begin{pmatrix} -1 \\ 1 \end{pmatrix} \text{ (2)}$$

number 10 (3)

$$\begin{pmatrix} 2 \\ 2 \end{pmatrix} \text{ (4)}$$

$$2-2=0$$

$$2-2=0$$

number 10 (5)

$$\begin{pmatrix} 2 \\ 2 \end{pmatrix} \text{ (6)}$$

number 10 (7)

number 10 (8)

$$\begin{pmatrix} 0 \\ 1 \end{pmatrix} \text{ (9)}$$

$$\begin{pmatrix} 0 \\ 1 \end{pmatrix} \text{ (10)}$$

$$10-10=0$$

$$\begin{pmatrix} 1 \\ 1 \end{pmatrix} \text{ (11)}$$

$$0 \text{ (12)}$$

$$\begin{pmatrix} 1 \\ 2 \end{pmatrix} \text{ (13)}$$

10.17 00 (14)

10.17 (15)

$$(10) \text{ (16)}$$

$$\begin{pmatrix} 1 \\ 2 \end{pmatrix} \text{ (17)}$$

$$(0, 2) \text{ (18)}$$