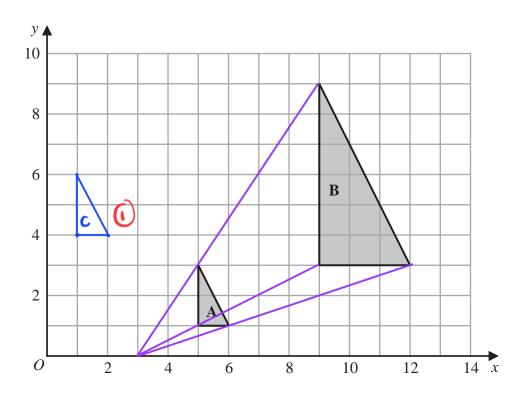
1



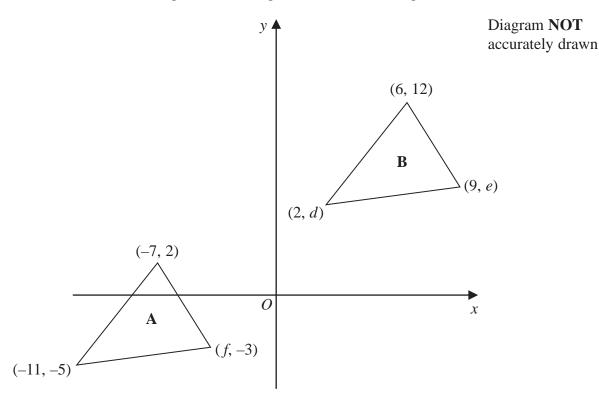
(b) On the grid above, translate triangle A by the vector $\begin{pmatrix} -4 \\ 3 \end{pmatrix}$ - three positions upward

Label your triangle C

(1)

(Total for Question 1 is 1 marks)

2 The diagram shows a sketch of triangle A and triangle B on a coordinate grid.



(a) Given that triangle **A** has been translated to give triangle **B**, work out the value of d, the value of e and the value of f

translation =
$$\binom{6-(-7)}{12-2}$$

$$= \binom{13}{10} \boxed{1}$$

Point
$$(-11,-5)$$
: $\begin{pmatrix} -11+13\\ -5+10 \end{pmatrix}$

$$= \begin{pmatrix} 2\\ 5 \end{pmatrix} : d=5$$

$$0$$

$$d = \frac{5}{4}$$
Point (f_1-3) : $(f+13\\ -3+10) = \begin{pmatrix} 9\\ 6 \end{pmatrix}$

$$f = 9-13 = -4$$

$$e = -3+10 = 7$$
(3)