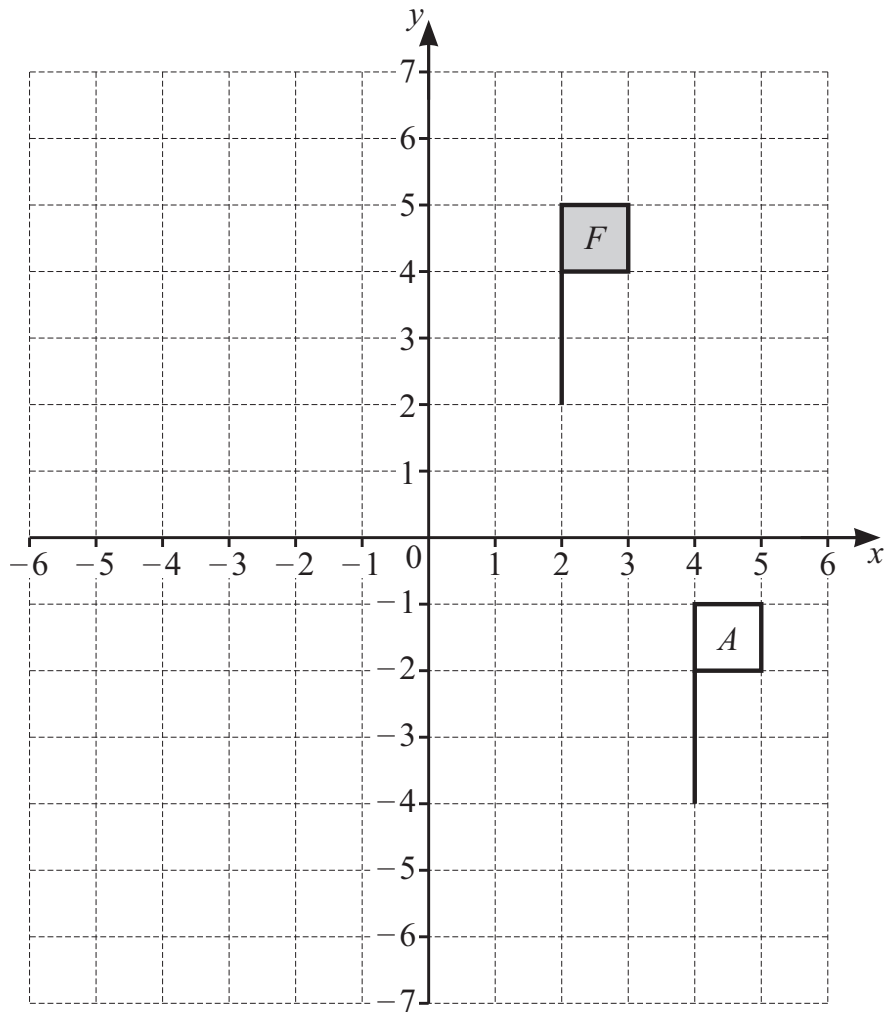


19 The grid shows two flags,  $F$  and  $A$ .



- (a) On the grid, draw the image of flag  $F$  after a reflection in the line  $x = -1$ . [2]
- (b) On the grid, draw the image of flag  $F$  after a rotation of  $180^\circ$  about  $(0, 0)$ . [2]
- (c) Describe fully the **single** transformation that maps flag  $F$  onto flag  $A$ .

.....

..... [2]