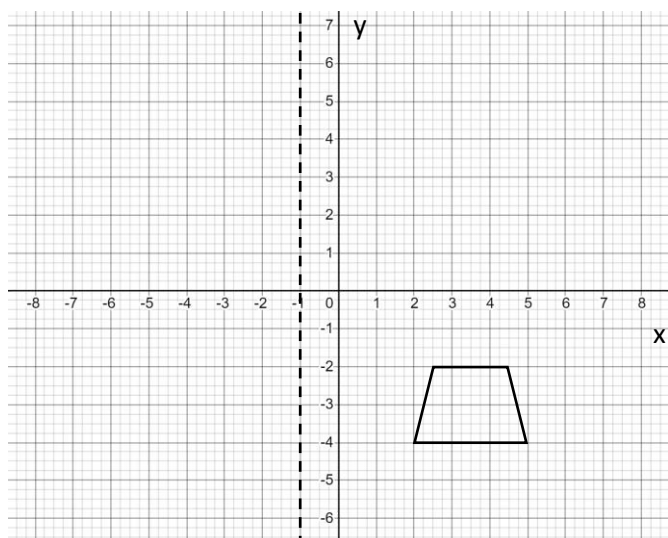


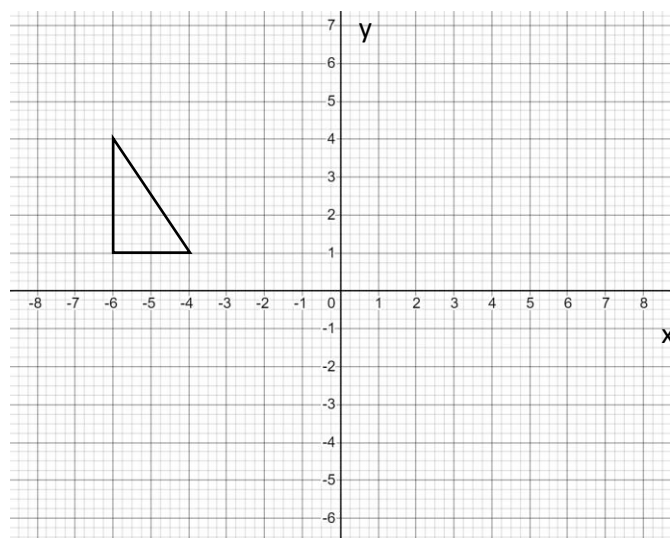


## Reflections Exam Practice

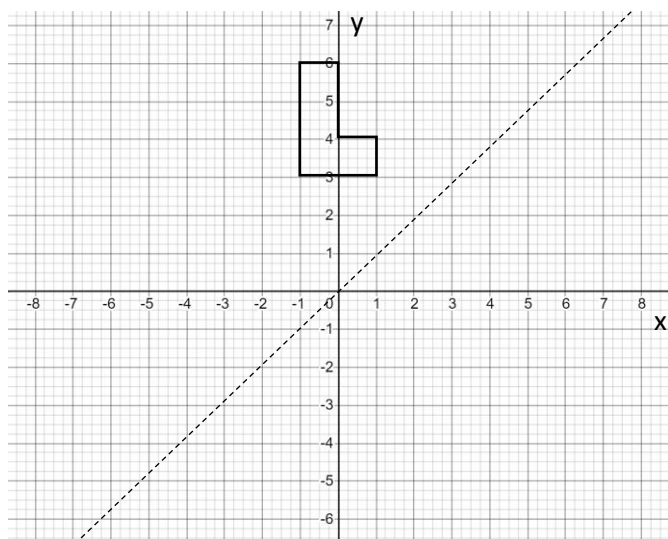
Q1. Reflect the shape in the dotted mirror line shown on the grid.  
(2 marks)



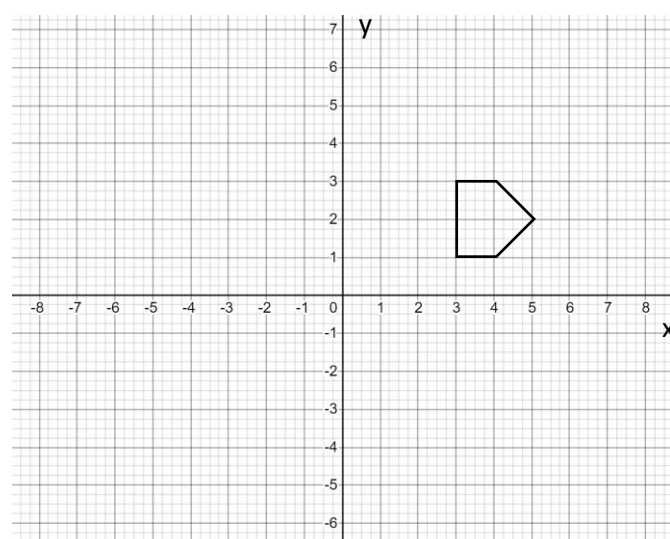
Q2. Reflect the shape in the line  $y = -1$  on the grid below.  
(2 marks)



Q3. Reflect the shape in the mirror line shown on the grid.  
(2 marks)

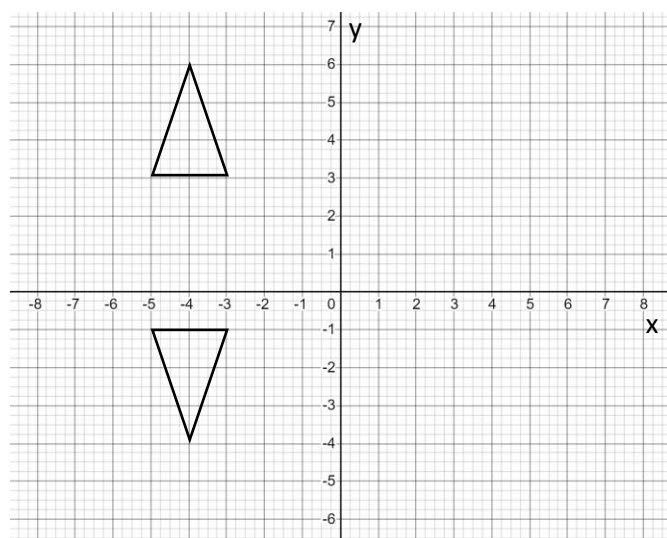


Q4. Reflect the shape in the line  $y = -x$  shown on the grid below.  
(2 marks)

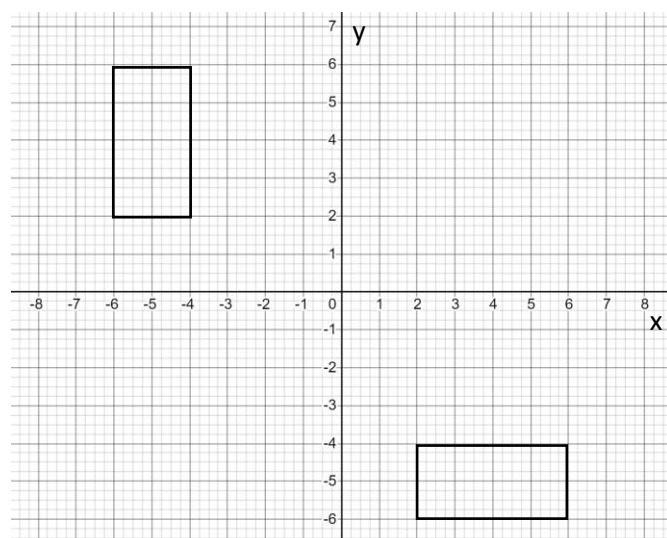




Q5. Describe fully the transformation which takes shape A to shape B.  
(3 marks)



Q6. Describe fully the transformation which takes shape D to shape C.  
(3 marks)



- Q7. The point  $P = (2, -5)$  is reflected in the line  $x = 4$  to obtain point Q. Write down the co-ordinates of the point Q.  
(2 marks)
- Q8. The point  $S = (-7, 1)$  is reflected in the line  $y = -2$  to obtain point T. Write down the co-ordinates of the point T.  
(2 marks)
- Q9. A point  $C = (a, 0)$ , where  $a$  is some positive number, is reflected in the line L to obtain point  $D = (-3a, 0)$ . Write down the equation of the line L.  
(1 mark)
- Q9. ABC is a right-angled triangle with co-ordinates  $A = (-12, 3)$ ,  $B = (-12, 8)$ , and  $C = (3, 3)$ . The triangle is then reflected in the line  $y = -4$  to obtain shape PQR. State the co-ordinates of PQR.  
(2 marks)
- Q10. The point  $P = (5, -9)$  is reflected in the line  $y = x$  to obtain point Q. State the co-ordinates of point Q.  
(2 marks)