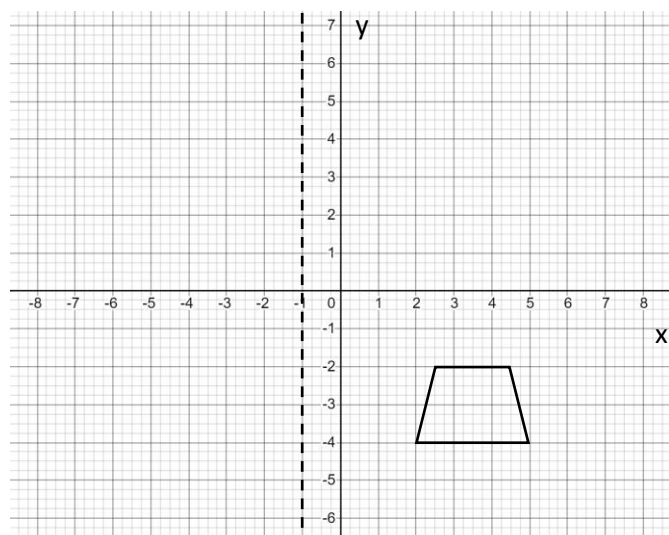


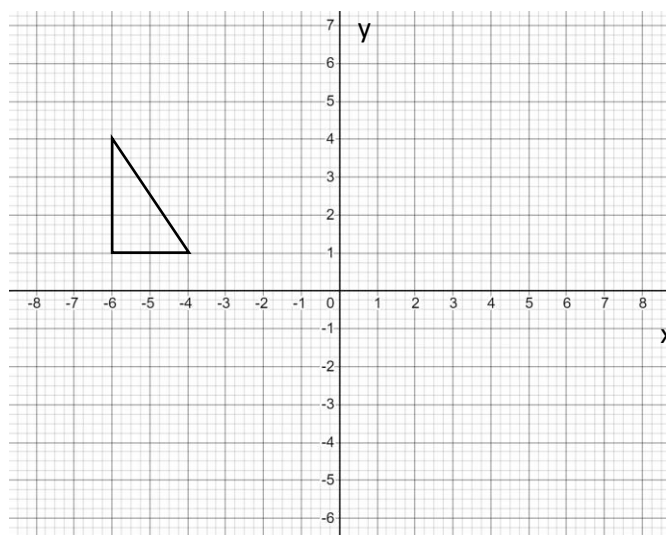


Reflections Exam Practice

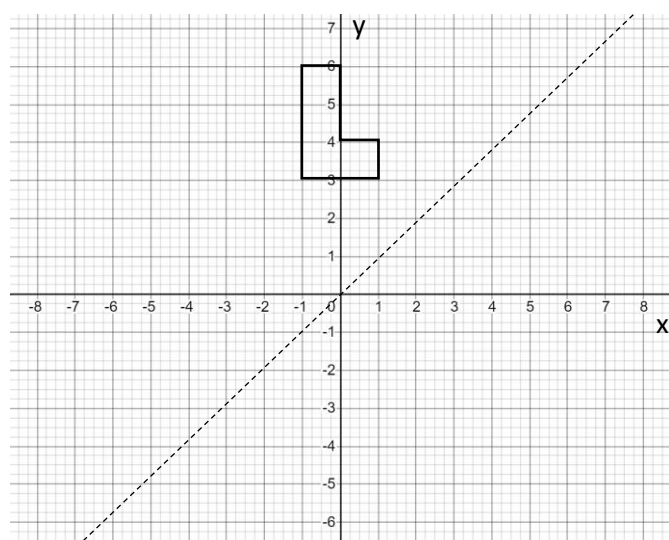
Q1. Reflect the shape in the dotted mirror line shown on the grid.
(2 marks)



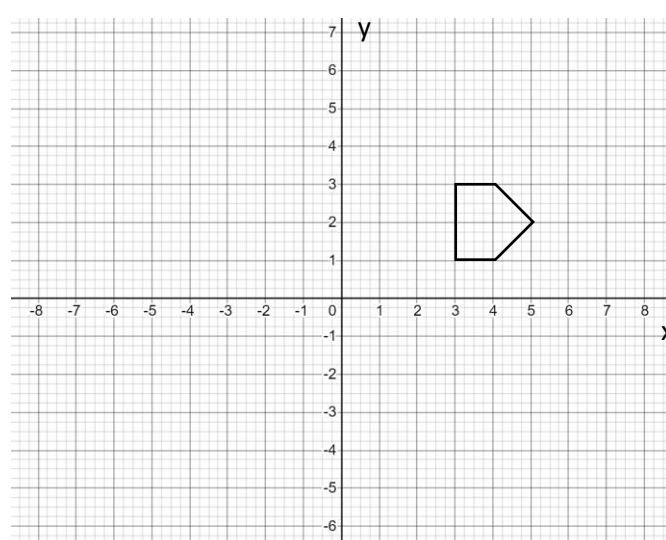
Q2. Reflect the shape in the line $y = -1$ on the grid below.
(2 marks)



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

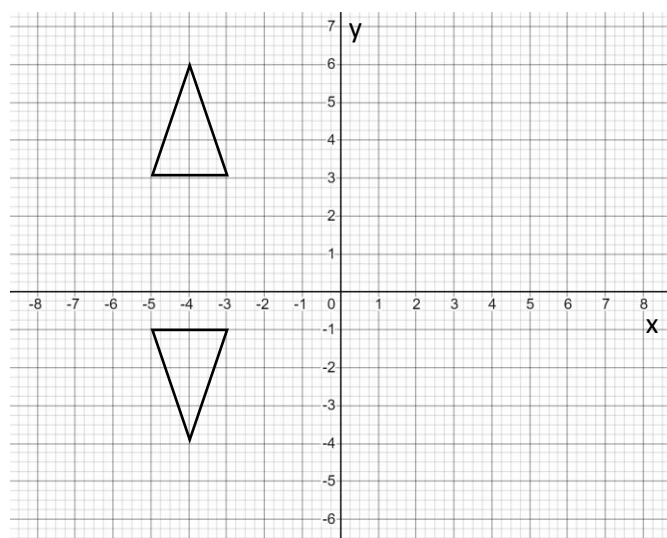


Q4. Reflect the shape in the line $y = -x$ shown on the grid below.
(2 marks)

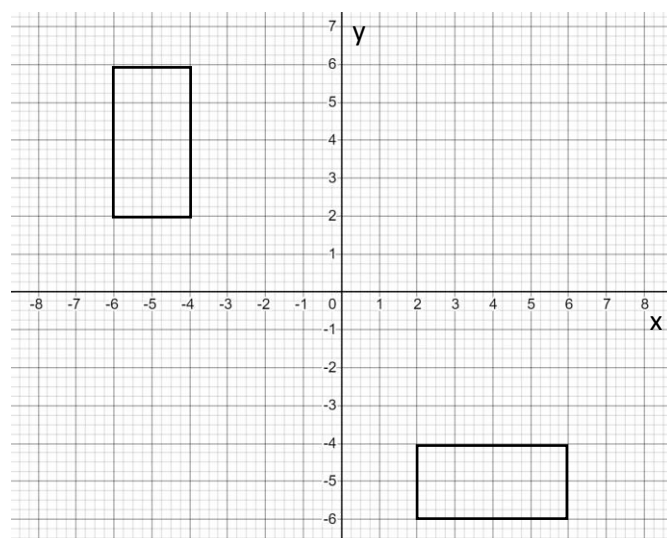




Q5. Describe fully the transformation which takes shape A to shape B.
(3 marks)



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)