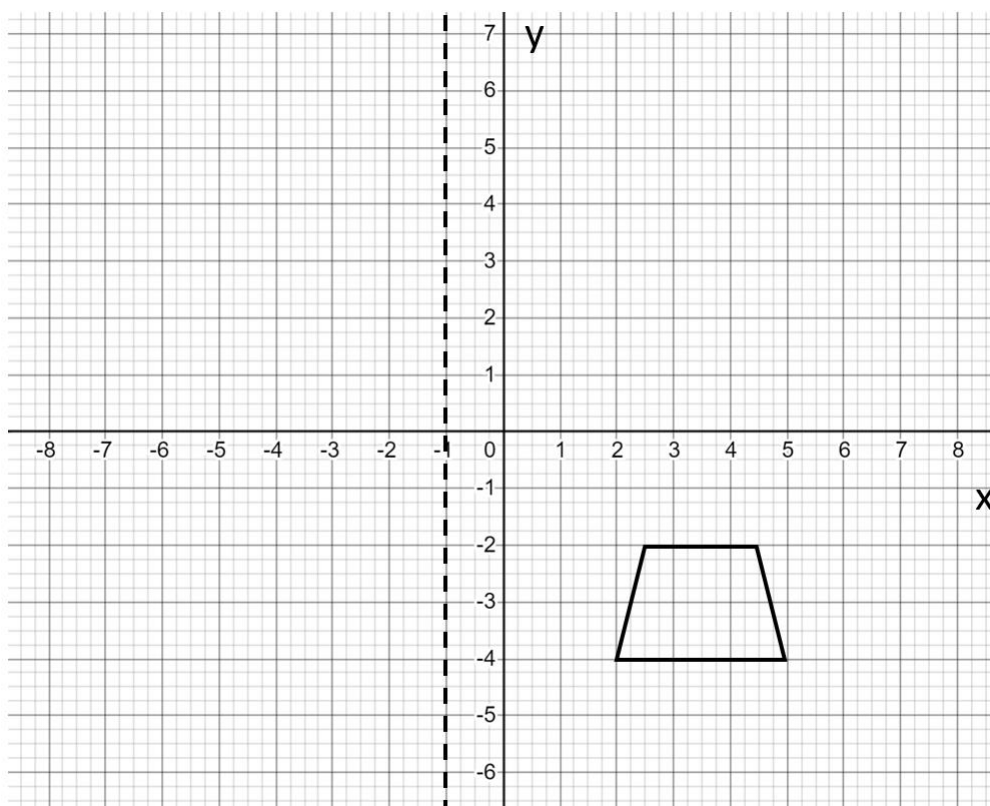




Reflections Exam Practice

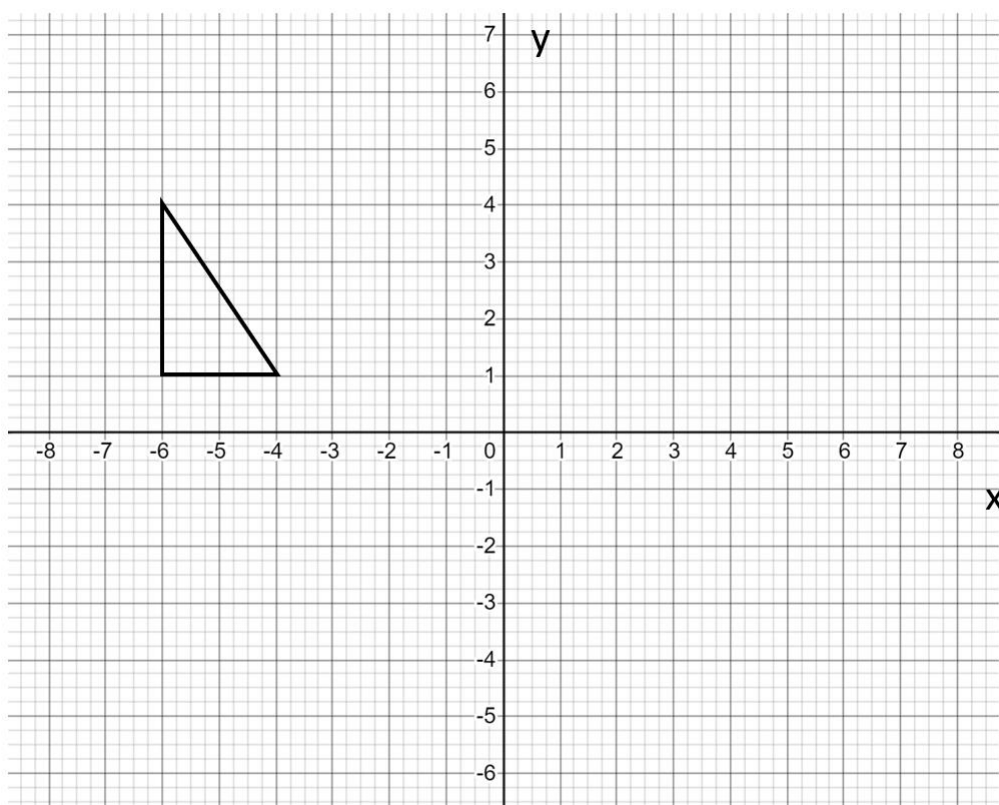
Q1. Reflect the shape in the dotted mirror line shown on the grid.



Answer: _____
(2 marks)



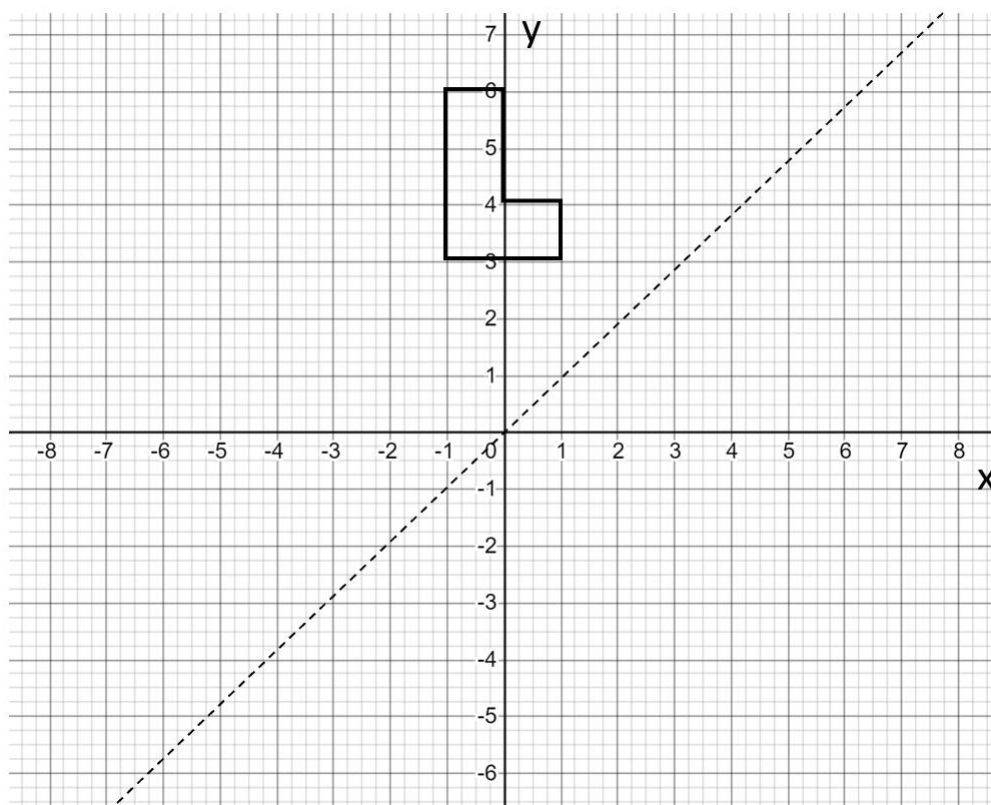
Q2. Reflect the shape in the line $y = -1$ on the grid below.



Answer: _____
(2 marks)



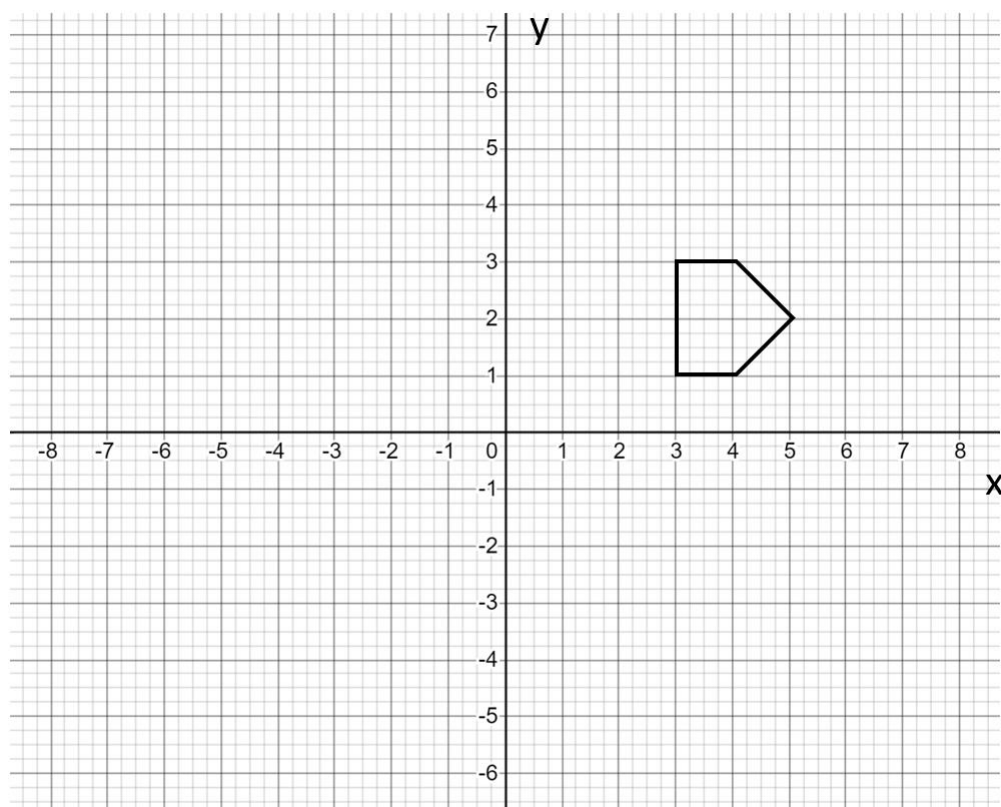
Q3. Reflect the shape in the mirror line shown on the grid.



Answer: _____
(2 marks)



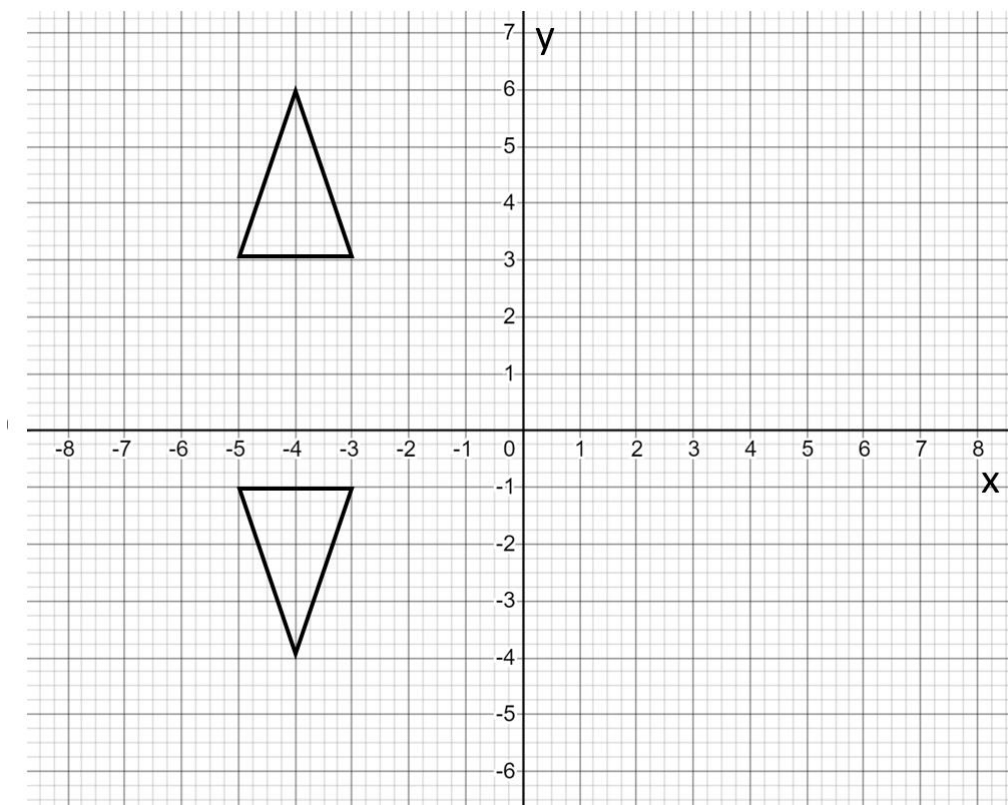
Q4. Reflect the shape in the line $y = -x$ shown on the grid below.



Answer: _____
(2 marks)



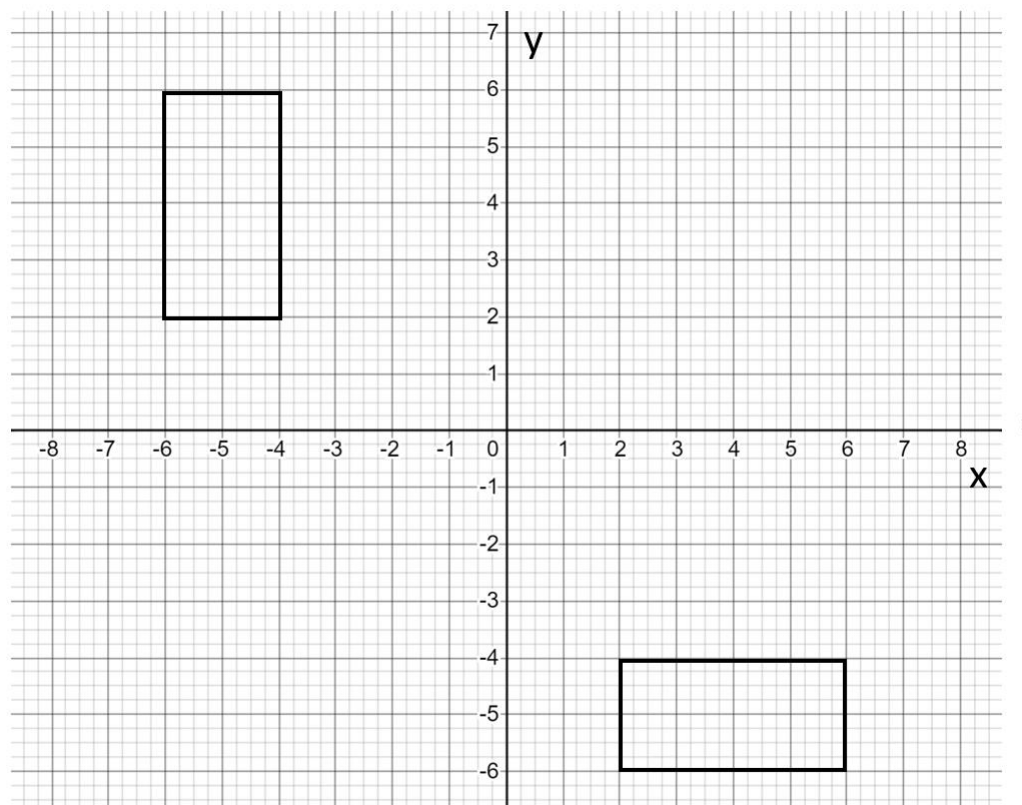
Q5. Describe fully the transformation which takes shape A to shape B.



Answer: _____
(3 marks)



Q6. Describe fully the transformation which takes shape D to shape C.



Answer: _____

(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 .

Answer: _____
(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 .

Answer: _____
(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 .

Answer: _____
(1 mark)



Q10. 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.

Answer: _____
(2 marks)

Q11. The point $P = (5, -9)$ is reflected in the line $y = x$ to obtain point Q.
State the co-ordinates of point Q.

Answer: _____
(2 marks)