

5.6 Answers

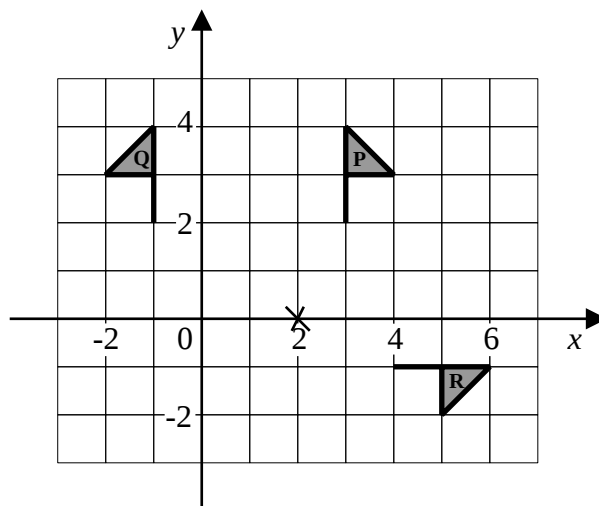
GCSE Mathematics Transformation Geometry

5.6.1 Solutions (5.5 Homework (Examination Style Questions))

Answer 1

(a) Reflection in the line $x = 1$.

(b)

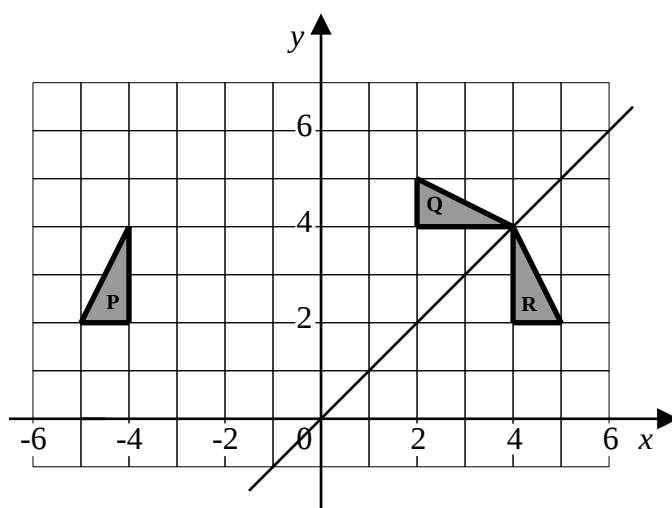


Answer 2

(a) Rotation -90° about (0, 0)

(Note: $-90^\circ = 90^\circ$ clockwise)

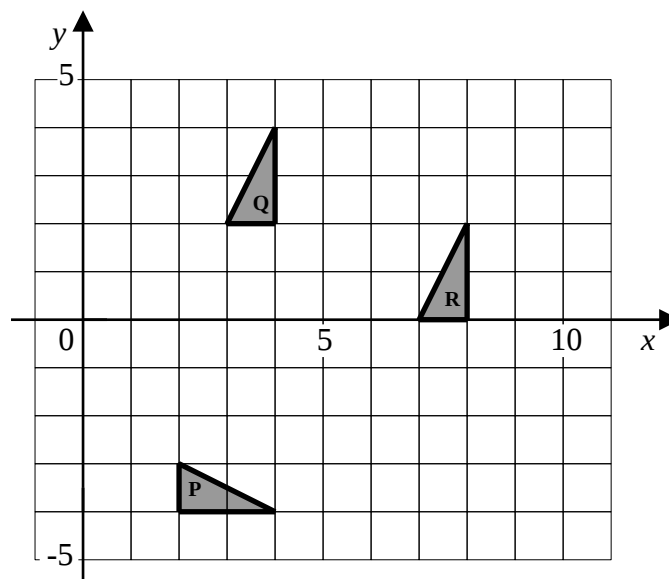
(b)



Answer 3

(a) Rotation 90° about $(0, 0)$ (Note $90^\circ = 90^\circ$ anti-clockwise)

(b)

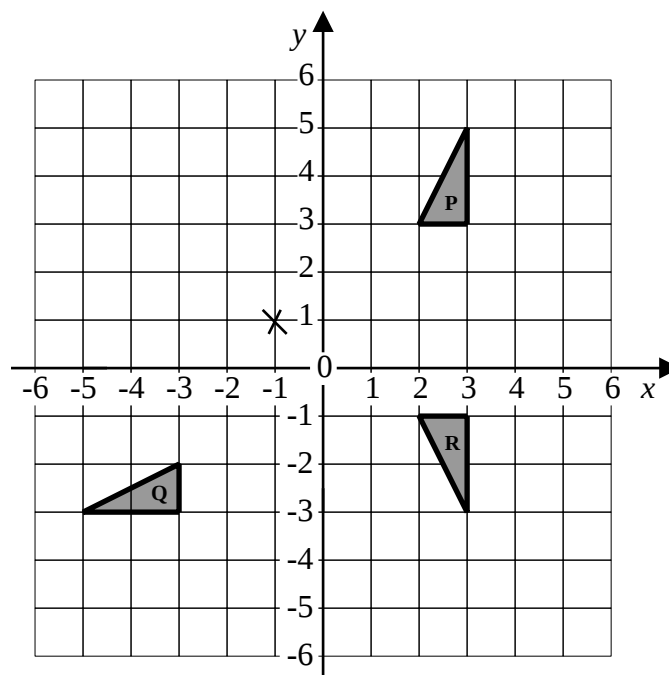


(c) Rotation 90° about $(3, 1)$ (Note $90^\circ = 90^\circ$ anti-clockwise)

Answer 4

(a) Reflection in the line $y = -x$

(b)



(c) Reflection in the line $y = 1$.