

Flashcards: Reflections on the Coordinate Axis

Directions: Answer the following questions.

1. If quadrilateral ABCD is reflected across the y-axis, where will the new coordinates be located?
Coordinates of quadrilateral ABCD: A (-2, 7); B (4, 6); C (5, -2); D (-3, 1)
2. If triangle EFG is reflected across the line $y = x$, where will the new coordinates be located?
Coordinates of triangle EFG are: E (1, 7); F (7, 3); G (-4, -2)
3. If triangle HJK is reflected across the x-axis, where will the new coordinates be located? Coordinates of triangle JHK: H (0, 6); J (8, 1); K (-5, -4)
4. If quadrilateral LMNP is reflected across the origin, where will the new coordinates be located?
Coordinates of quadrilateral LMNP: are: L (-4, 5); M (9, 7); N (1, -2); P (-6, -3)

Answers:

1. Coordinates of quadrilateral ABCD: A (-2, 7); B (4, 6); C (5, -2); D (-3, 1)
Coordinates of quadrilateral A'B'C'D': A' (2, 7); B' (-4, 6); C' (-5, -2); D' (3, 1)
2. Coordinates of triangle EFG are: E (1, 7); F (7, 3); G (-4, -2)
Coordinates of triangle E'F'G': E' (7, 1); F' (3, 7); G' (-2, -4)
3. Coordinates of triangle JHK: H (0, 6); J (8, 1); K (-5, -4)
Coordinates of triangle H'J'K': H' (0, -6); J' (8, -1); K' (-5, 4)
4. Coordinates of quadrilateral LMNP: are: L (-4, 5); M (9, 7); N (1, -2); P (-6, -3)
Coordinates of quadrilateral L'M'N'P': L' (4, -5); M' (-9, -7); N' (-1, 2); P' (6, 3)