

NAME: \_\_\_\_\_

1. Which special quadrilaterals have both rotational and line symmetry?

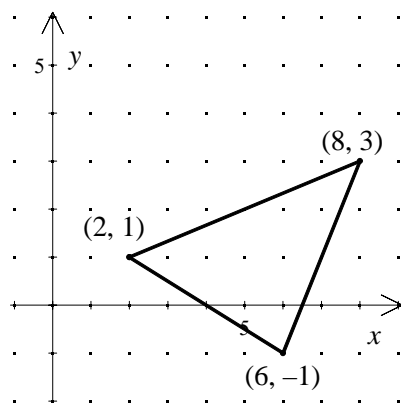
4. If the vertices of a triangle are  $M(4, 3)$ ,  $N(1, 1)$ ,  $O(4, 1)$  and the vertices of its image are  $M'(4, -3)$ ,  $N'(1, -1)$ ,  $O'(4, -1)$ , what is the line of symmetry?

[A]  $x = 3$  [B]  $y = 2$   
[C]  $x$ -axis [D]  $y$ -axis

2. An oval cooking pan has two identical handles, one on each end. Draw a top view of the pan and determine what, if any, symmetry it has.

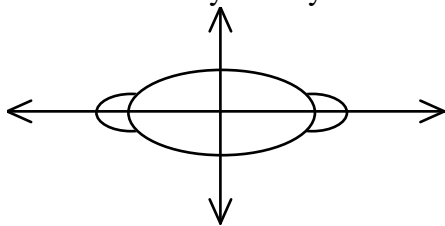
5. Given a 3-dimensional figure, it may be possible to find a plane of symmetry that divides it into two congruent parts. How many planes of symmetry does a sphere have?

3. Find the equation of the line of symmetry of the isosceles triangle shown.



[1] rhombus, square, rectangle

It has reflectional and rotational symmetry along the two lines of symmetry shown.



[2] \_\_\_\_\_

[3]  $y + 3x = 17$

[4] C

[5] infinitely many