

Lesson 12-5

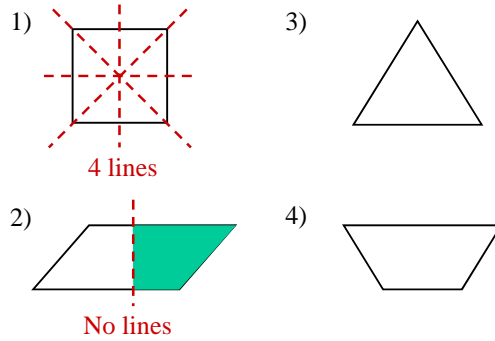
Objective – To identify different types of symmetry for geometric shapes and figures.

Symmetry - Exact correspondence of form such that the image on one side of a point or line corresponds with the pre-image on the other side.

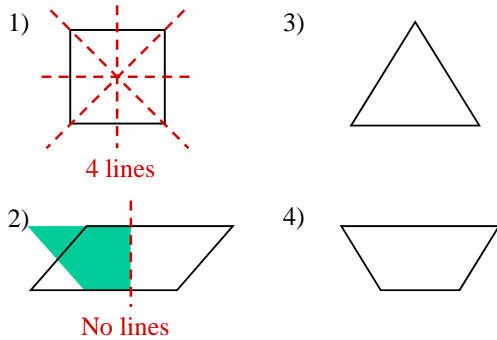
Lines of Symmetry



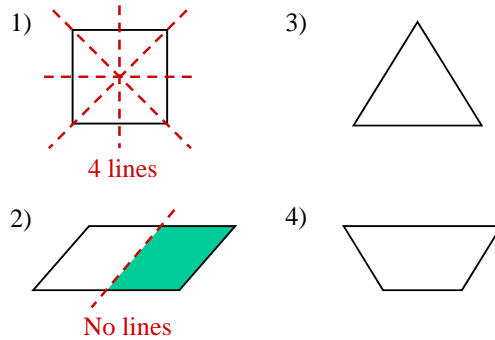
Draw all possible lines of symmetry in each figure.



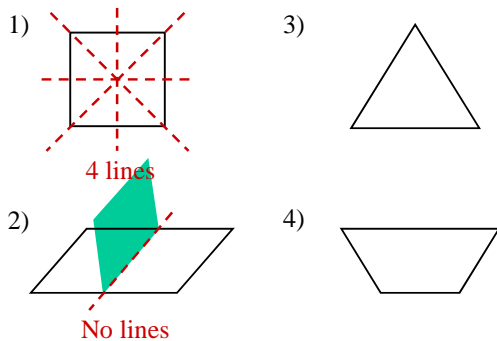
Draw all possible lines of symmetry in each figure.



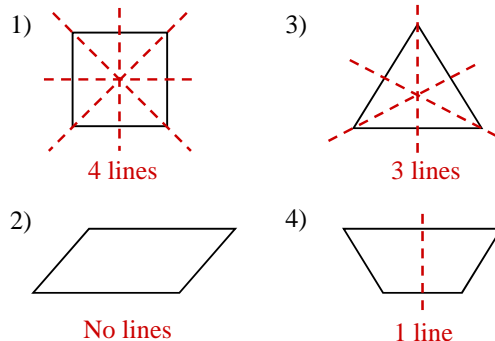
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
Draw all possible lines of symmetry in each figure.



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Rotational Symmetry

Rotational Symmetry - When a figure can be rotated about a point by an angle between 0° and 360° so that the image coincides with the pre-image.



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90° Rotational Symmetry
Order : 4

Rotational Symmetry

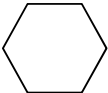
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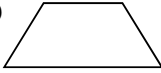



90° Rotational Symmetry
Order : 4


180° Rotational Symmetry
Order : 2

Identify the degree and order of rotational symmetry if there is any.

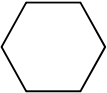
1)  60° Rotational Symmetry
Order : 6

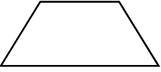
2)  No Rotational Symmetry


3)  180° Rotational Symmetry
Order : 2


4)  No Rotational Symmetry

Identify the degree and order of rotational symmetry if there is any.

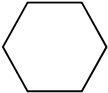
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Order : 6

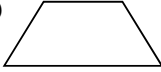
2)  No Rotational Symmetry


3)  180° Rotational Symmetry
Order : 2


4)  No Rotational Symmetry

Identify the degree and order of rotational symmetry if there is any.

1)  60° Rotational Symmetry
Order : 6

2)  No Rotational Symmetry

3)  180° Rotational Symmetry
Order : 2

4)  No Rotational Symmetry

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