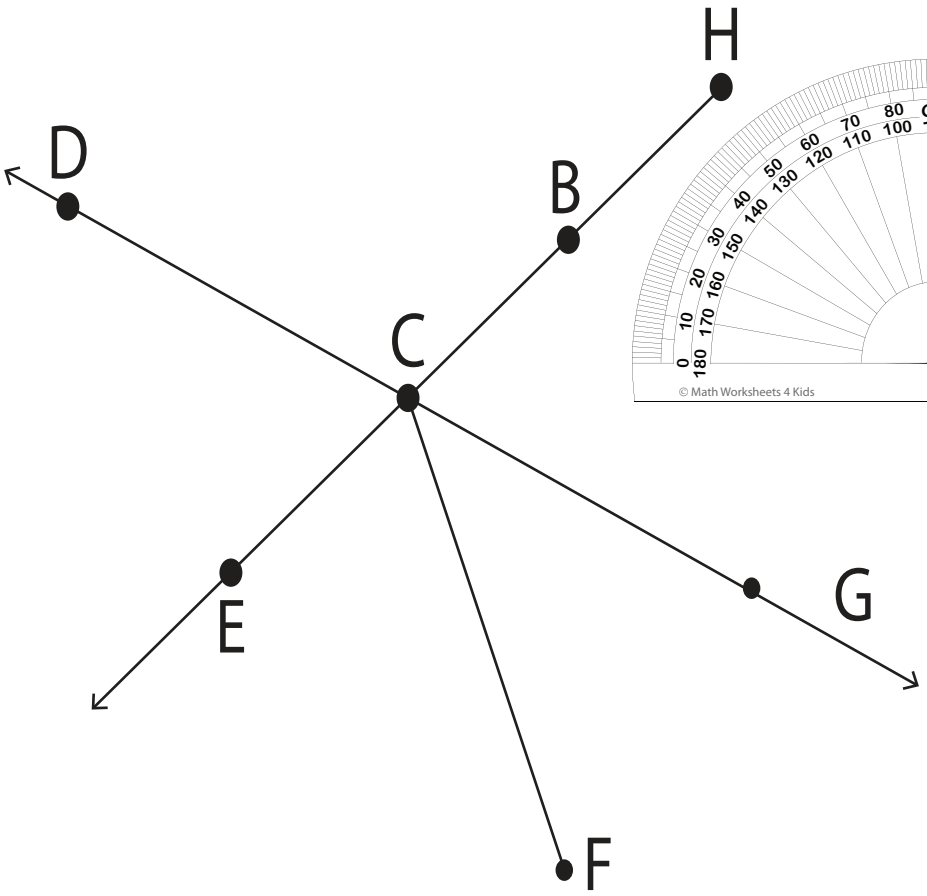
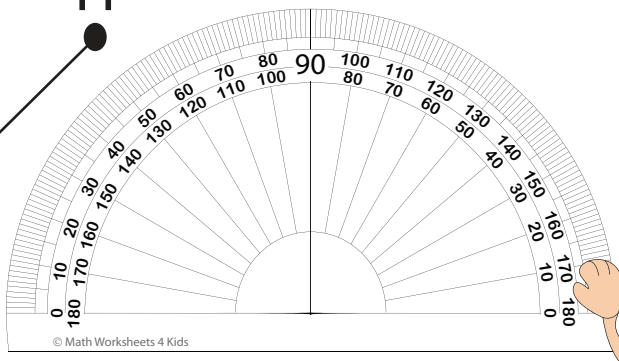
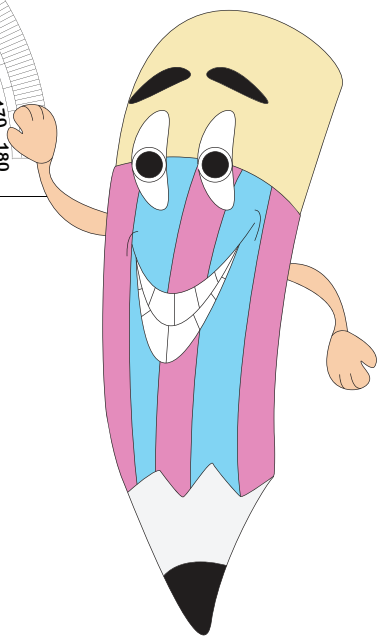
4th Grade Geometry







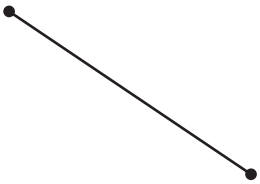
Workbook I

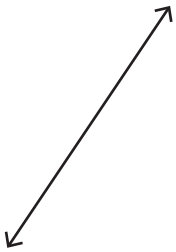
MathWorksheets4Kids.com

Points, Lines, Rays & Line segments

Part - A

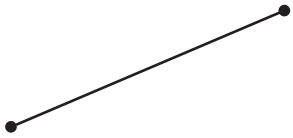
Write each as a point, line, ray or line segment.

1) 

2) 

3)

4) 

5) 

6) 

Part - B

Draw the following.

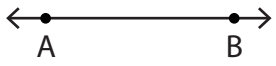
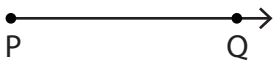
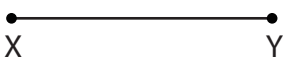
1) A line

2) A ray

3) A line segment

Lines, Rays or Line segments

Example:

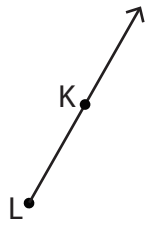
A Line	A Ray	A Line segment
		
$\overleftrightarrow{AB}$ or $\overleftrightarrow{BA}$	$\overrightarrow{PQ}$	$\overline{XY}$ or $\overline{YX}$

Part - A

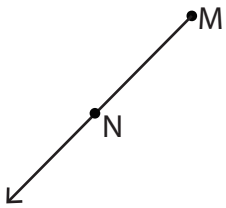
Name each line, ray or line segment.

1) 

2) 

3) 

4) 

5) 

6) 

Part - B

Draw and label each of the following.

1) $\overline{BC}$

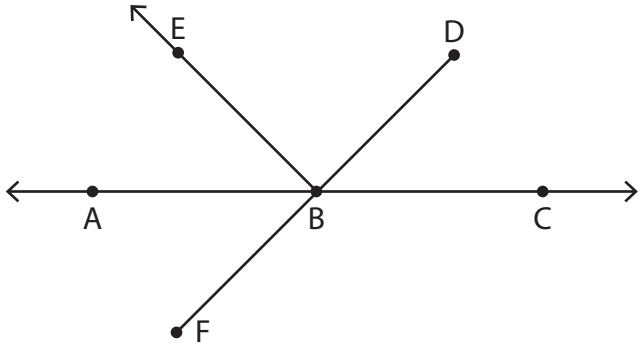
2) $\overleftrightarrow{YZ}$

3) $\overrightarrow{QR}$

Lines, Rays and Line segments

Read the figure and answer the questions.

1)



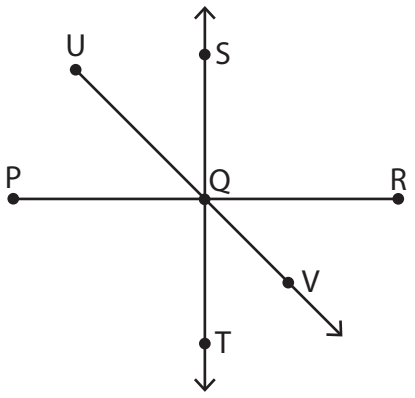
a) Name all the points. _____

b) Name any three rays. _____

c) Name any two line segments. _____

d) Name the line in two ways. _____

2)



a) Name the line that contains the point Q. _____

b) Name the two opposite rays. _____

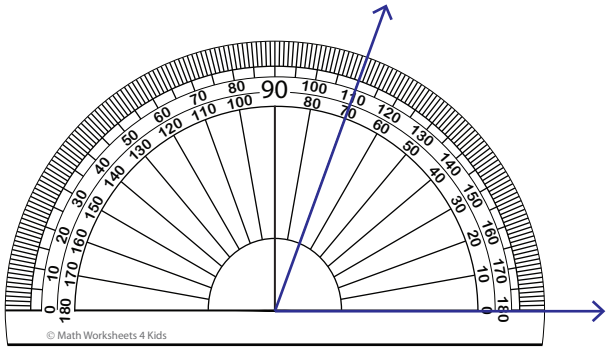
c) Name the end point of $\overrightarrow{QT}$. _____

d) Name all the points that lie on the $\overleftrightarrow{ST}$. _____

Reading Protractor

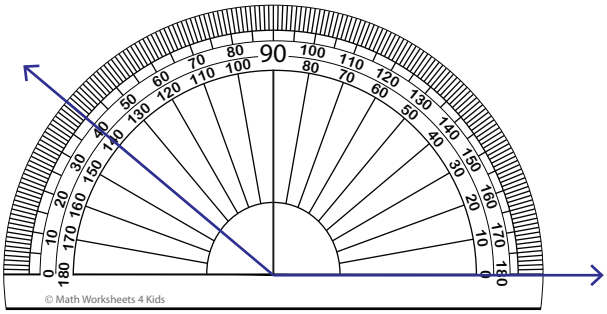
Measure each angle formed between a pair of rays using protractor.

1)



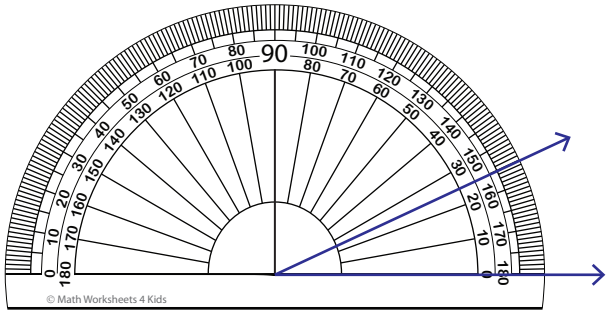
Angle : _____

2)



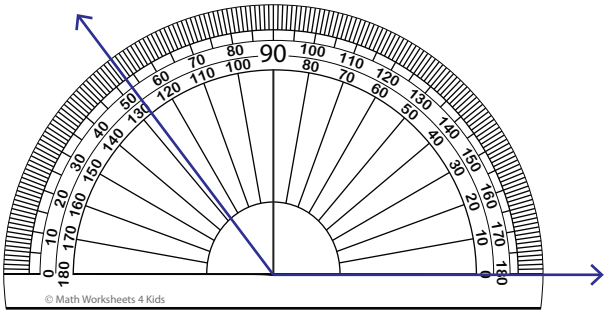
Angle : _____

3)



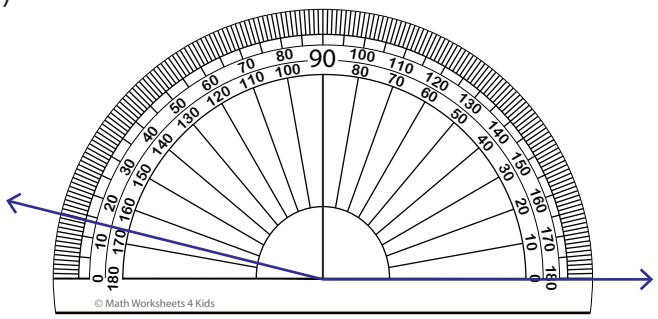
Angle : _____

4)



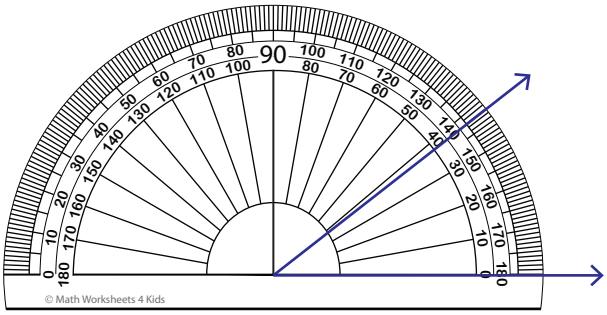
Angle : _____

5)



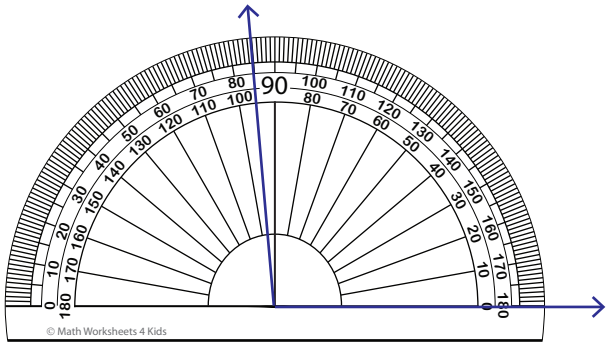
Angle : _____

6)



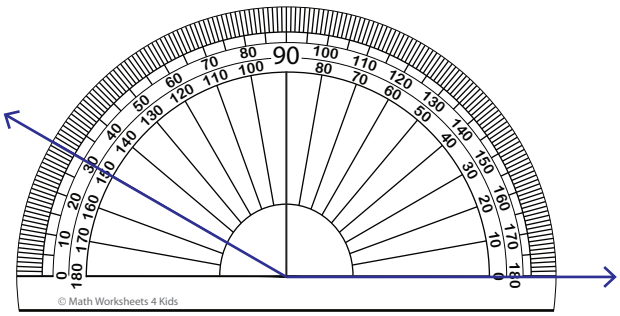
Angle : _____

7)



Angle : _____

8)

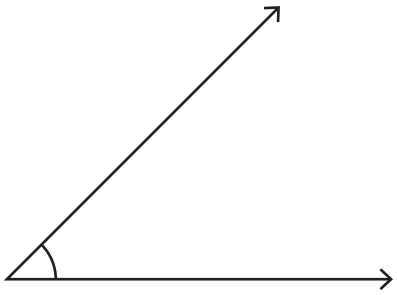


Angle : _____

Measuring Angles

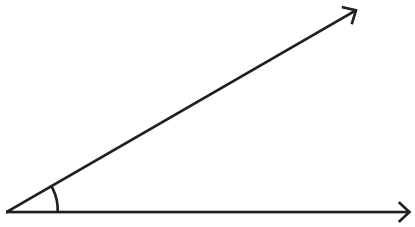
Measure each angle using protractor.

1)



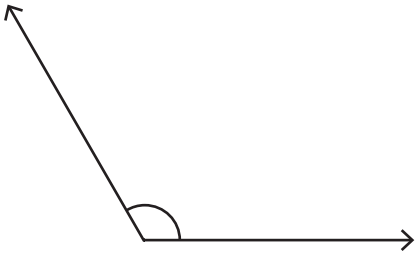
Angle : _____

2)



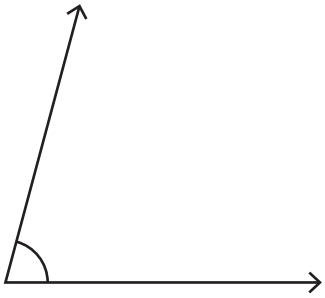
Angle : _____

3)



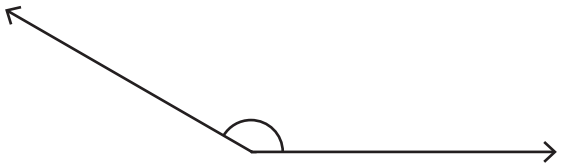
Angle : _____

4)



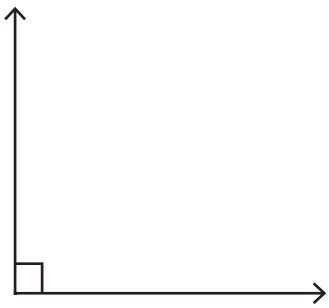
Angle : _____

5)



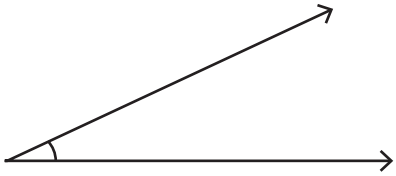
Angle : _____

6)



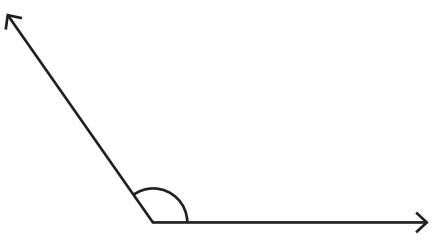
Angle : _____

7)



Angle : _____

8)



Angle : _____

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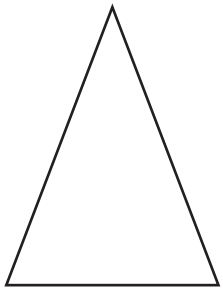
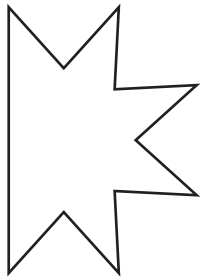
Symmetry in Shapes

Draw a line of symmetry on each shape.

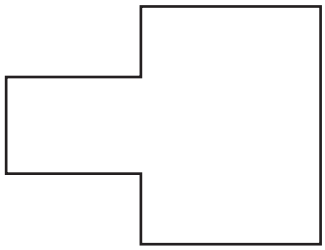
1)



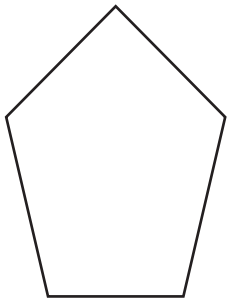
2)



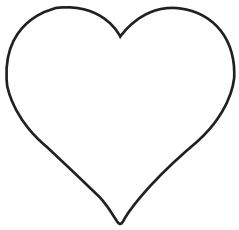
3)



4)



5)



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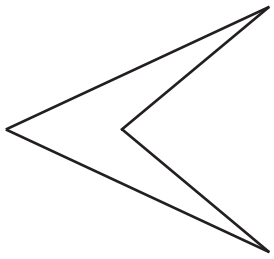

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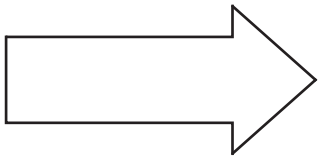

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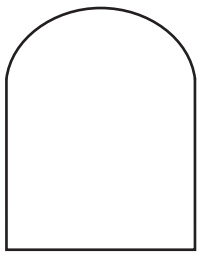
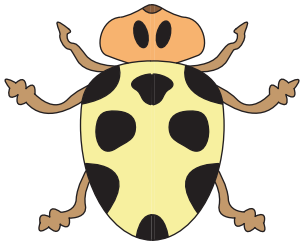


Symmetry in Real-life

Draw a line of symmetry on each one.
(Some pictures may have more than one line of symmetry)

1)



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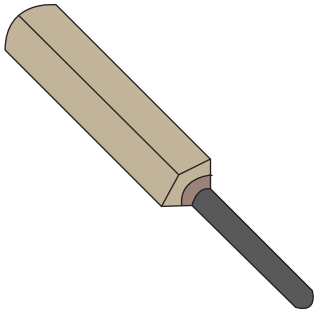
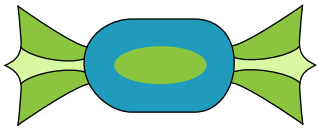
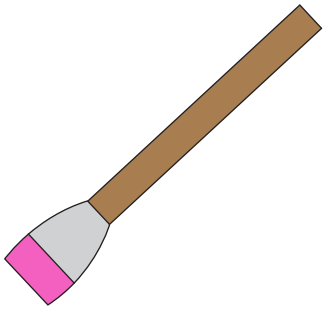


3)



4)

5)



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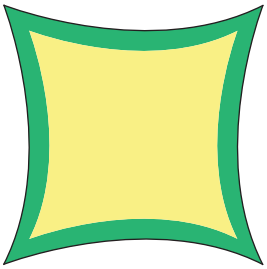


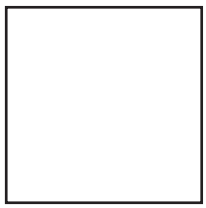
7)

8)

Lines of Symmetry

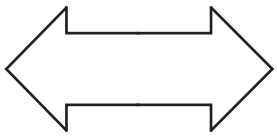
Draw lines of symmetry on each shape. Count and write the lines of symmetry you see.

1)



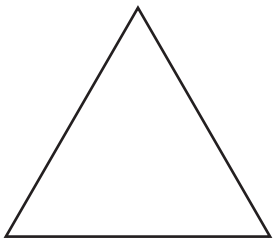
_____

2)



_____

3)



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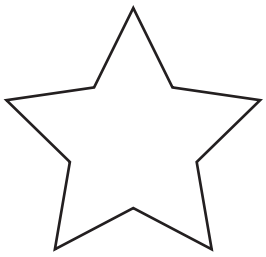
4)

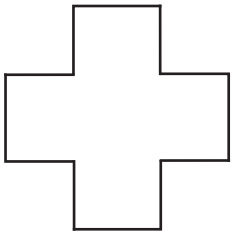


_____

5)

_____

6)



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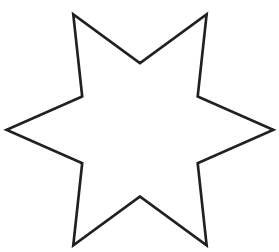
7)



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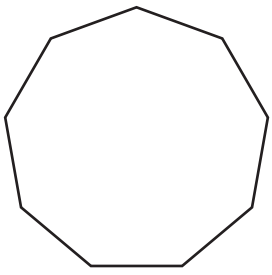
8)

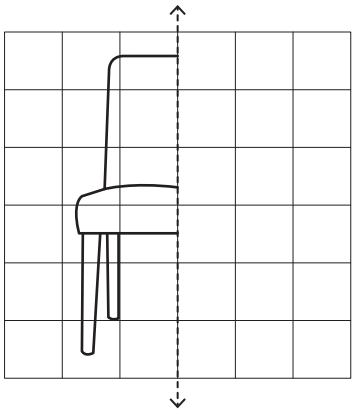


_____

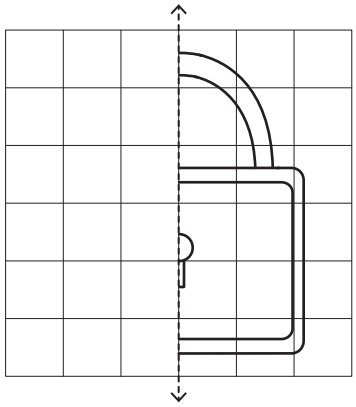
Mirror Image

Draw the other half of each symmetrical figure.

1)



2)



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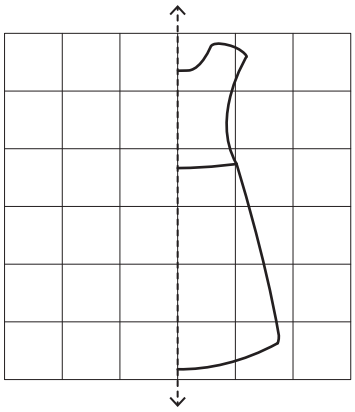
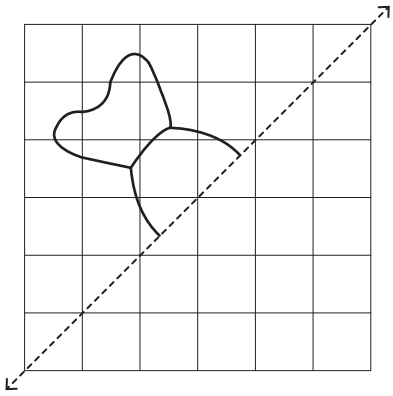
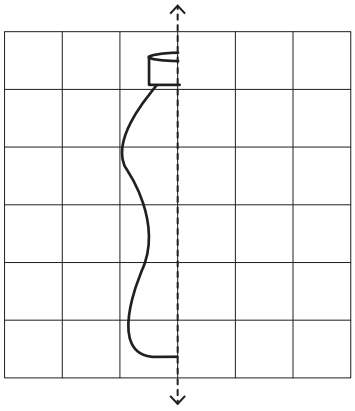


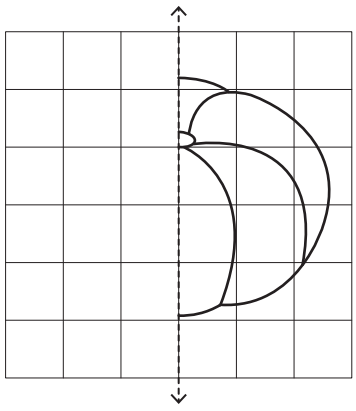
4)



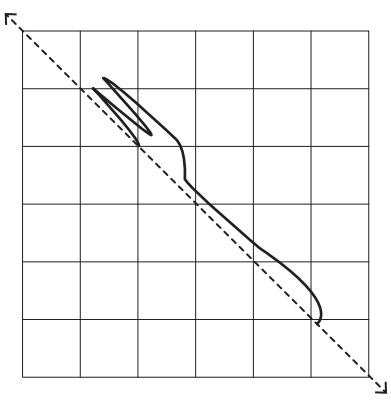
5)



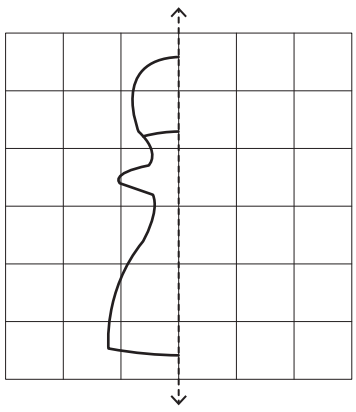
6)



7)



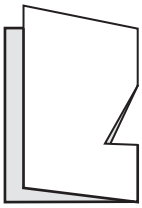
8)



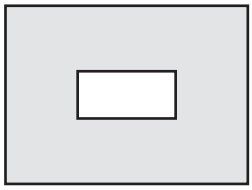
Unfold the Mystery

What is the shape obtained at the center when you unfold the paper?

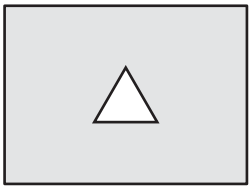
1)



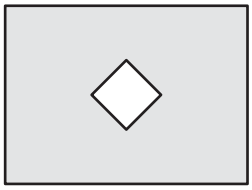
a)



b)



c)



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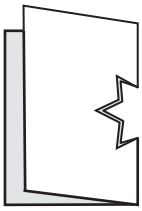
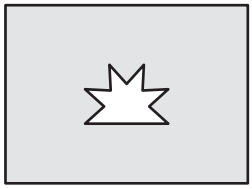


a)



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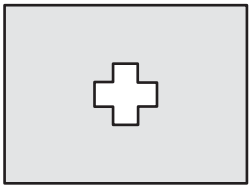

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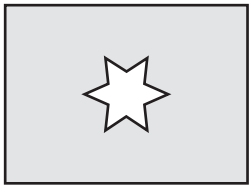

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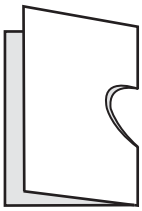
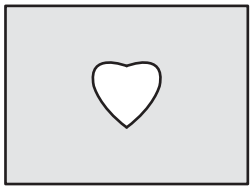


a)



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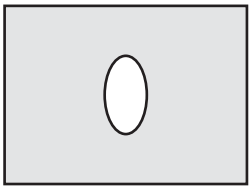

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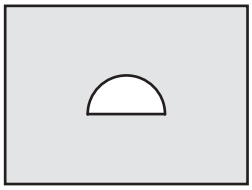

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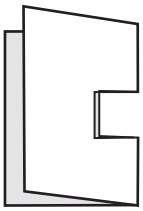
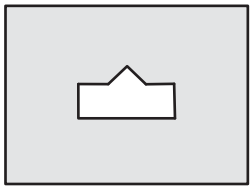


a)



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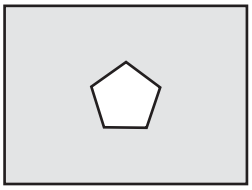

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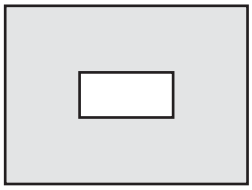

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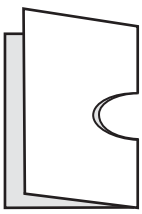
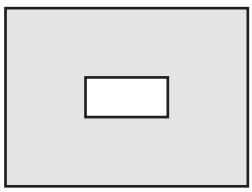


a)



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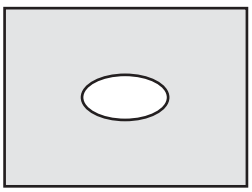

c)