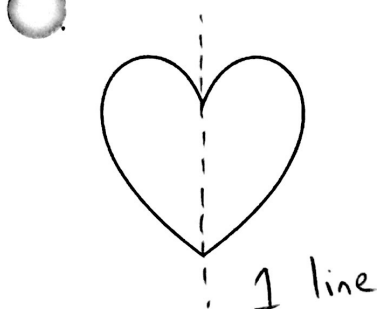


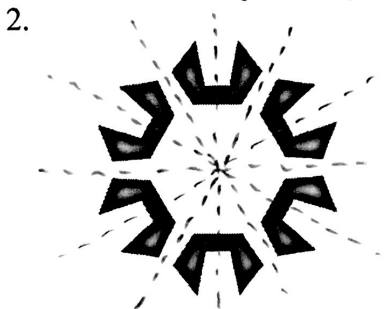
6.1 Symmetry Homework

Name: Key

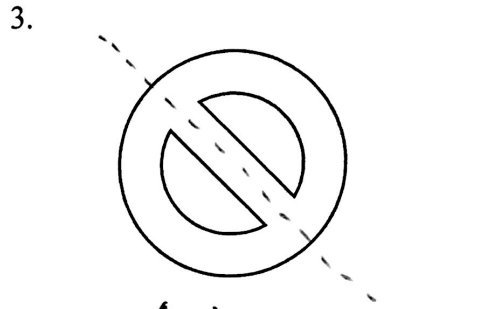
Determine whether the following have Reflectional Symmetry. If yes, draw the line(s) of symmetry.



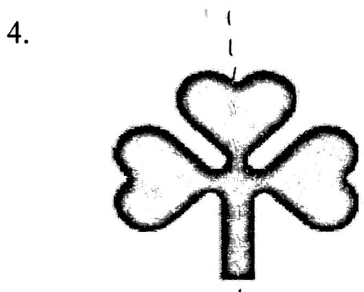
Reflectional Symmetry:  Yes /  No



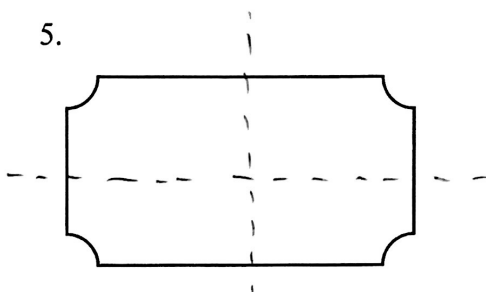
Reflectional Symmetry:  Yes /  No



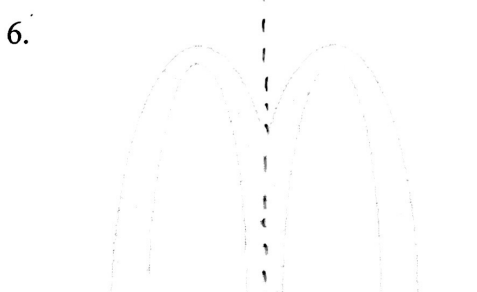
Reflectional Symmetry:  Yes /  No



Reflectional Symmetry:  Yes /  No

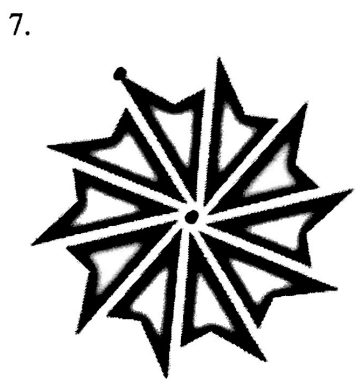


Reflectional Symmetry:  Yes /  No



Reflectional Symmetry:  Yes /  No

Determine whether the following have Rotational Symmetry. If yes, indicate the point of symmetry and state the order and magnitude.

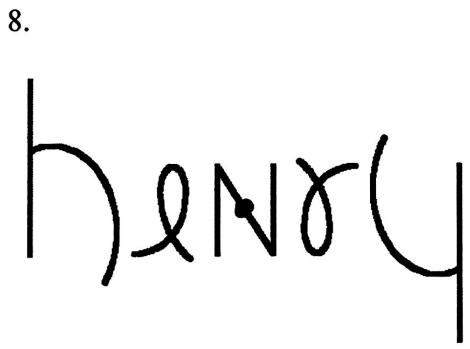


Rotational Symmetry:  Yes /  No

Order: 10

Magnitude: 36°

$$\frac{360}{10} \curvearrowright$$

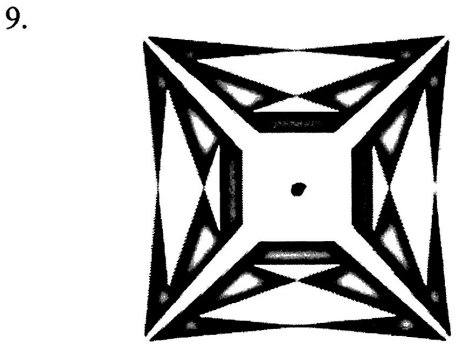


Rotational Symmetry:  Yes /  No

Order: 2

Magnitude: 180°

$$\frac{360}{2} \curvearrowright$$



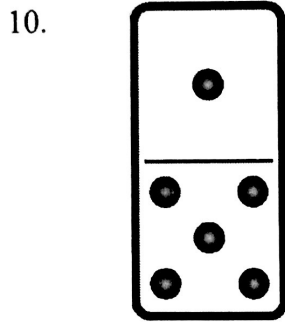
Rotational Symmetry:  Yes /  No

Order: 4

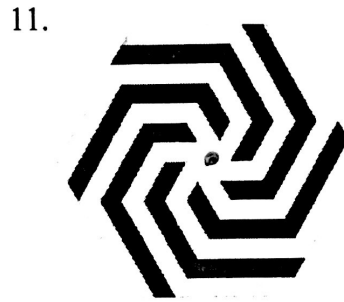
Magnitude: 90°

$$\frac{360}{4} \curvearrowright$$

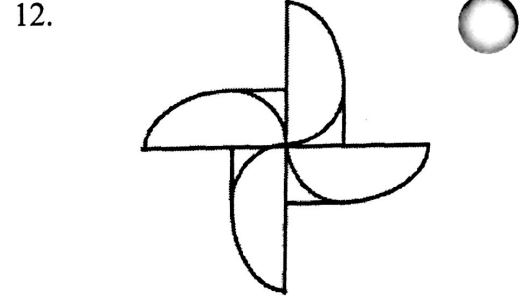
Determine whether the following have Rotational Symmetry. If yes, indicate the point of symmetry and state the order and magnitude.



Rotational Symmetry: Yes/No  No  
 Order: 1  
 Magnitude: 360°

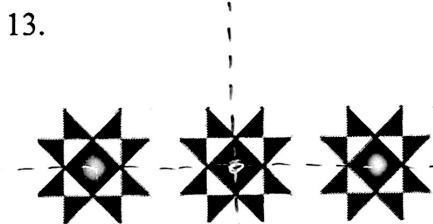


Rotational Symmetry: Yes/No  Yes  
 Order: 6  
 Magnitude: 60°  
 $\frac{360}{6}$  ↷

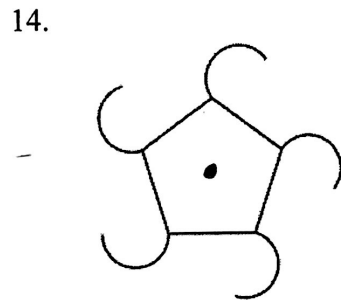


Rotational Symmetry: Yes/No  Yes  
 Order: 4  
 Magnitude: 90°  
 $\frac{360}{4}$  ↷

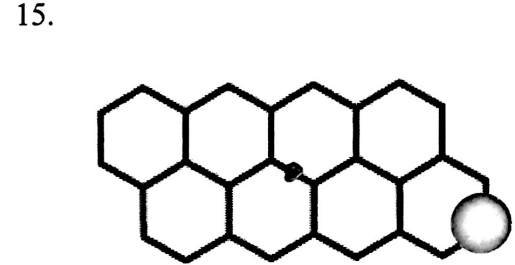
Determine the type(s) of symmetry found in the figures below.



Reflectional Symmetry: Yes/No  Yes  
 Rotational Symmetry: Yes/No  Yes  
 Translational Symmetry: Yes/No  Yes



Reflectional Symmetry: Yes/No  No  
 Rotational Symmetry: Yes/No  Yes  
 Translational Symmetry: Yes/No  No



Reflectional Symmetry: Yes/No  No  
 Rotational Symmetry: Yes/No  Yes  
 Translational Symmetry: Yes/No  Yes

16. Determine if whether the following capital letters have a vertical line of symmetry, horizontal line of symmetry, 180° rotational symmetry, or no Symmetry. Circle all answers which apply.

	<u>Reflectional Symmetry</u>	<u>Rotational Symmetry</u>	
<b>D</b>	Vertical Line of Symmetry <input type="checkbox"/>	Horizontal Line of Symmetry <input checked="" type="checkbox"/>	180° Rotational Symmetry <input type="checkbox"/> None
<b>A</b>	Vertical Line of Symmetry <input checked="" type="checkbox"/>	Horizontal Line of Symmetry <input type="checkbox"/>	180° Rotational Symmetry <input type="checkbox"/> None
<b>E</b>	Vertical Line of Symmetry <input type="checkbox"/>	Horizontal Line of Symmetry <input checked="" type="checkbox"/>	180° Rotational Symmetry <input type="checkbox"/> None
<b>O</b>	Vertical Line of Symmetry <input checked="" type="checkbox"/>	Horizontal Line of Symmetry <input checked="" type="checkbox"/>	180° Rotational Symmetry <input checked="" type="checkbox"/> None
<b>Z</b>	Vertical Line of Symmetry <input type="checkbox"/>	Horizontal Line of Symmetry <input type="checkbox"/>	180° Rotational Symmetry <input checked="" type="checkbox"/> None
<b>H</b>	Vertical Line of Symmetry <input checked="" type="checkbox"/>	Horizontal Line of Symmetry <input checked="" type="checkbox"/>	180° Rotational Symmetry <input checked="" type="checkbox"/> None