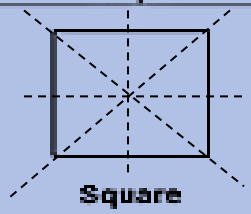
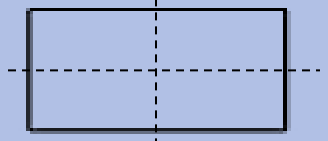
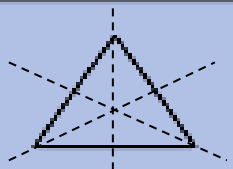
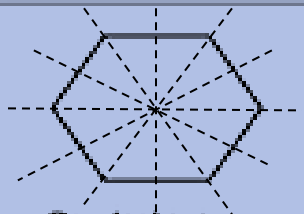
Al Moattassem International School - Jubail

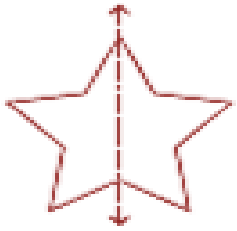
Revision 4 - Chapter 13 - Symmetry

Q1)

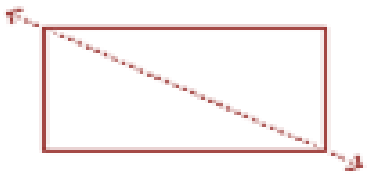
Draw the lines of symmetry of respective shapes & write the number of lines of symmetry. Write the order of rotational symmetry in the respective columns

	Shape	Reflective	Rotational
1	 Square	4 lines of symmetry	Order = 4
2	 Rectangle	2 lines of symmetry	Order = 2
3	 Equilateral triangle	3 lines of symmetry	Order = 3
4	 Regular hexagon	6 lines of symmetry	Order = 6
5	 Parallelogram	No lines of symmetry	Order = 2

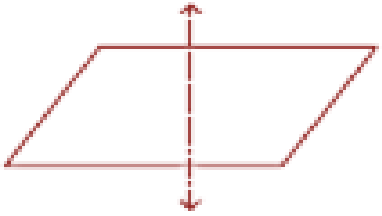
Q2) Is the dotted line on each shape a line of symmetry? Write yes or no.

1) 

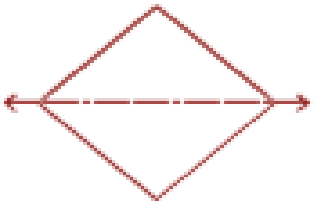
yes

2) 

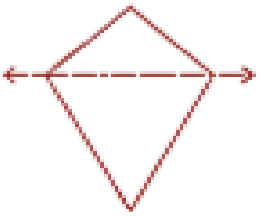
No

3) 

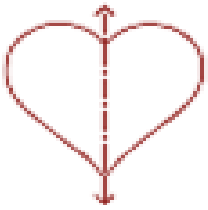
No

4) 

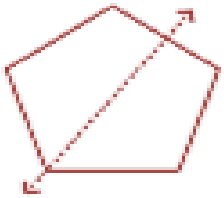
yes

5) 

No

6) 

yes

7) 

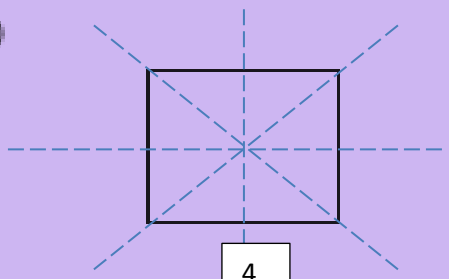
Yes

8) 

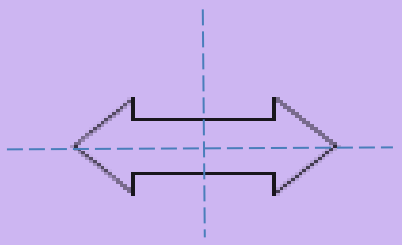
No

Q3)

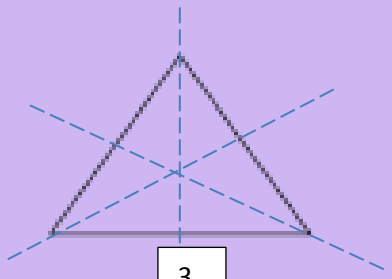
Draw lines of symmetry on each shape. Count and write the lines of symmetry you see.

1) 

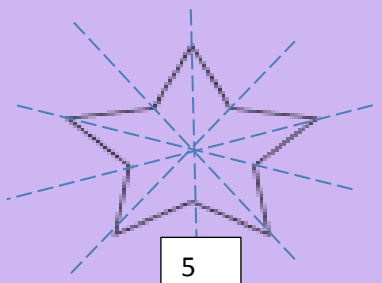
4

2) 

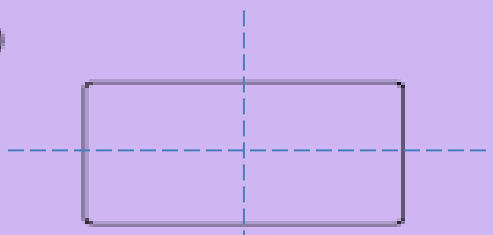
2

3) 

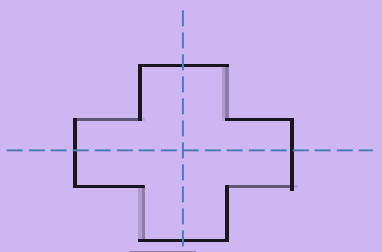
3

4) 

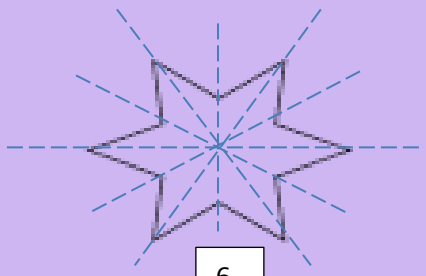
5

5) 

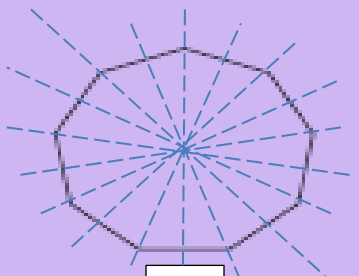
2

6) 

2

7) 

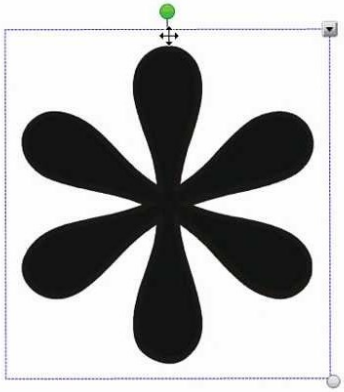
6

8) 

9

Q4) Write the Order and Angle of Rotation for the following figure

Rotational Symmetry



Order of Rotation | 6

Angle of Rotation | 360/n = 360/6

= 60 °