



# ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Algebra and Geometry

Class: 7

Date: 25.07.20

Duration: 40 min

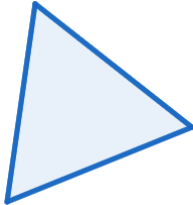
Worksheet Solution 58

Full Marks: 15

## ROTATIONAL SYMMETRY

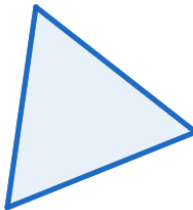
Choose the Correct options:

1. Which number of degrees below describes an angle that can rotate this regular polygon back onto itself?



- (a) 280
- (b) 300
- (c) 315
- (d) 120**

2. Which number of degrees below describes an angle that can rotate this regular polygon back onto itself?



- (a) 45
- (b) 320
- (c) 240**
- (d) 90

3. Which number of degrees below describes an angle that can rotate this regular polygon back onto itself?



- (a) 280
- (b) 90**
- (c) 45
- (d) 120

4. Which number of degrees below describes an angle that can rotate this regular polygon back onto itself?



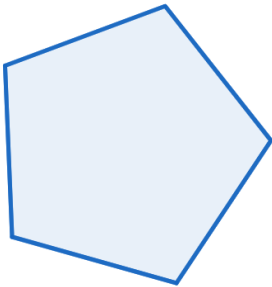
- (a) **180**
- (b) 60
- (c) 120
- (d) 72

5. Which number of degrees below describes an angle that can rotate this regular polygon back onto itself?



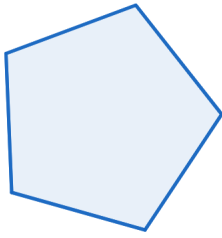
- (a) 160
- (b) 320
- (c) 60
- (d) **270**

6. Which number of degrees below describes an angle that can rotate this regular polygon back onto itself?



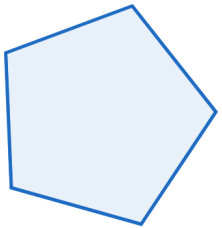
- (a) 40
- (b) 120
- (c) **72**
- (d) 240

7. Which number of degrees below describes an angle that can rotate this regular polygon back onto itself?



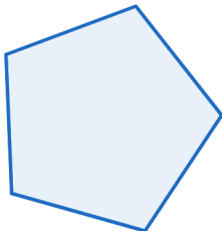
- (a) 320
- (b) 144**
- (c) 135
- (d) 270

8. Which number of degrees below describes an angle that can rotate this regular polygon back onto itself?



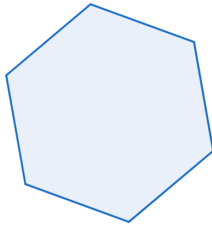
- (a) 216**
- (b) 120
- (c) 160
- (d) 90

9. Which number of degrees below describes an angle that can rotate this regular polygon back onto itself?



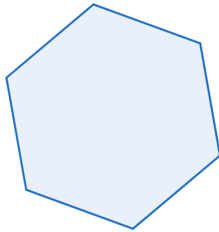
- (a) 320
- (b) 40
- (c) 270
- (d) 288**

10. Which number of degrees below describes an angle that can rotate this regular polygon back onto itself?



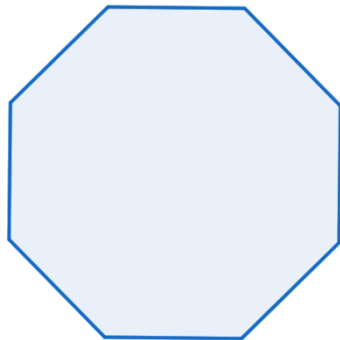
- (a) **60**
- (b) 280
- (c) 288
- (d) 320

11. Which number of degrees below describes an angle that can rotate this regular polygon back onto itself?



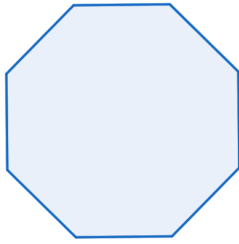
- (a) 216
- (b) 270
- (c) **300**
- (d) 320

12. Which number of degrees below describes an angle that can rotate this regular polygon back onto itself?



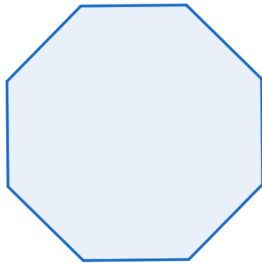
- (a) 60
- (b) 160
- (c) 144
- (d) **45**

13. Which number of degrees below describes an angle that can rotate this regular polygon back onto itself?



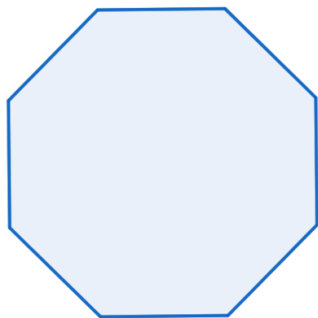
- (a) 144
- (b) 240
- (c) 135**
- (d) 120

14. Which number of degrees below describes an angle that can rotate this regular polygon back onto itself?



- (a) 200
- (b) 225**
- (c) 120
- (d) 288

15. Which number of degrees below describes an angle that can rotate this regular polygon back onto itself?



- (a) 315**
- (b) 60
- (c) 320
- (d) 72