ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

Sub: Algebra and Geometry **Class: 7** **Date: 24.04.20**

Duration: 40 min **Worksheet Solution 10** **Full Marks: 15**

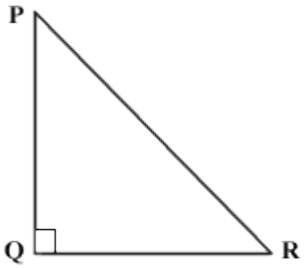
TRIANGLES

Choose the Correct options:

1. A triangle has two sides measuring 12 meters and one side measuring 9 meters. What type of triangle is this?

   a) Equilateral
   b) Isosceles
   c) Scalene

2. What type of triangle is Δ PQR, where ∠Q = 90°?



   a) Acute
   b) Right
   c) Obtuse

3. A triangle has angle measurements of 32°, 38°, and 110°. What type of triangle is this?

   a) Acute
   b) Right
   c) Obtuse

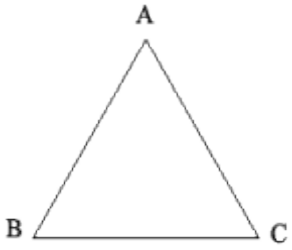
4. Which triangle has all three sides equal in length?

   a) Equilateral
   b) Isosceles
   c) Scalene

5. A triangle has angle measurements of 90°, 34°, and 56°. What type of triangle is this?

a) Acute
b) Right
c) Obtuse

6. What type of triangle is Δ ABC, where ∠A = ∠B = ∠C = 60°?



a) Equilateral
b) Isosceles
c) Scalene

7. Which triangle has all three angles less than 90°?

a) Acute
b) Right
c) Obtuse

8. In a right triangle, what is the side opposite to the right angle called?

a) Hypotenuse
b) Altitude
c) Leg

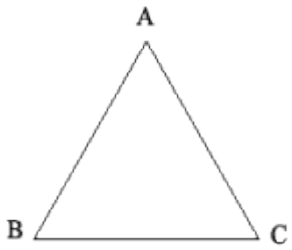
9. What type of triangle has all angles measuring 60°?

a) Equilateral
b) Isosceles
c) Scalene

10. Which triangle has an angle greater than 90°?

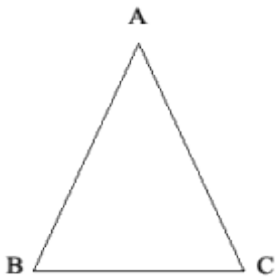
a) Acute
b) Right
c) Obtuse

11. What type of triangle is Δ ABC, where AB = AC = BC = 15 cm? (Note: cm denotes centimetre.)



a) Equilateral
b) Isosceles
c) Scalene

12. What type of triangle is Δ ABC, where ∠B = ∠C = 69°?

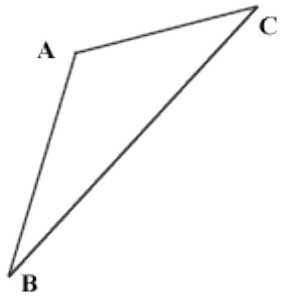


a) Equilateral
b) Isosceles
c) Scalene

13. Which triangle has an angle equal to 90°?

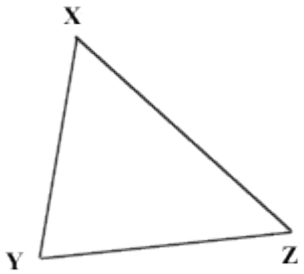
a) Acute
b) Right
c) Obtuse

14. What type of triangle is Δ ABC, where ∠A = 134°, ∠B = 14° and ∠C = 32°?



a) Acute
b) Right
c) Obtuse

15. What type of triangle is Δ XYZ, where ∠X = 50°, ∠Y = 62° and ∠Z = 68°?



a) Acute
b) Right
c) Obtuse