



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Algebra and Geometry

Class: 7

Date: 24.04.20

Duration: 40 min

Worksheet 10

Full Marks: 15

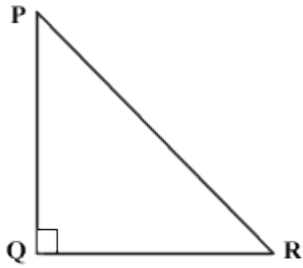
TRIANGLES

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 ΔPQR , where $\angle Q = 90^\circ$?



- 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

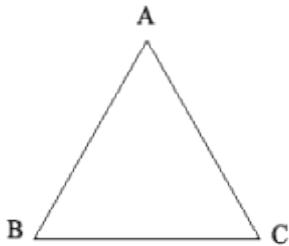
4. Which triangle has all three sides equal in length?

- 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 $\triangle ABC$, where $\angle A = \angle B = \angle C = 60^\circ$?



- 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° ?

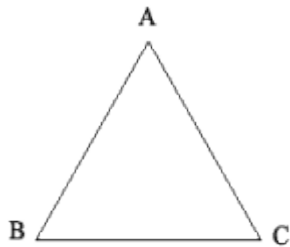
- a) Equilateral
- b) Isosceles
- c) Scalene

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

- a) Acute
- b) Right

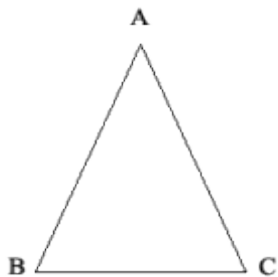
c) Obtuse

11. What type of triangle is ΔABC , where $AB = AC = BC = 15$ cm? (Note: cm denotes centimeter.)



- a) Equilateral
- b) Isosceles
- c) Scalene

12. What type of triangle is ΔABC , where $\angle B = \angle C = 69^\circ$?

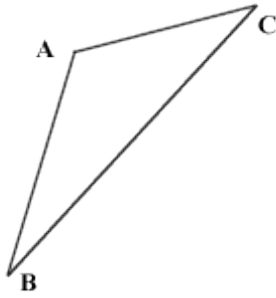


- a) Equilateral
- b) Isosceles
- c) Scalene

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

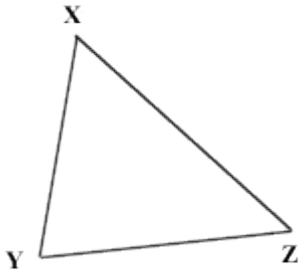
- a) Acute
- b) Right
- c) Obtuse

14. What type of triangle is ΔABC , where $\angle A = 134^\circ$, $\angle B = 14^\circ$ and $\angle C = 32^\circ$?



- a) Acute
- b) Right
- c) Obtuse

15. What type of triangle is ΔXYZ , where $\angle X = 50^\circ$, $\angle Y = 62^\circ$ and $\angle Z = 68^\circ$?



- a) Acute
- b) Right
- c) Obtuse