

Multiple Choice Questions (MCQs)

1. How many medians a triangle can have?

- (a) 2
- (b) 1
- (c) 3
- (d) 0

2. A/an connect a vertex of a triangle to the mid point of the opposite side.

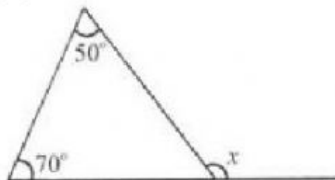
- (a) altitude
- (b) median
- (c) vertex
- (d) none of these

3. How many altitude can a triangle have?

- (a) 1
- (b) 2
- (c) 3
- (d) 4

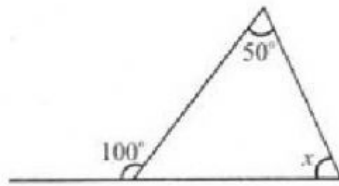
4. Find the value of x in the adjoining figure.

- (a) 50°
- (b) 70°
- (c) 120°
- (d) 180°



5. Find the value of x

- (a) 60°
- (b) 110°
- (c) 50°
- (d) 180°



6. A triangle in which two sides are of equal lengths is called

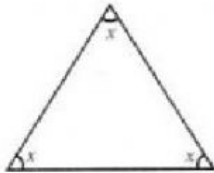
- (a) Equilateral
- (b) Isosceles
- (c) Scalene
- (d) Acute angled triangle

7. In the Pythagoras property, the triangle must be

- (a) acute angled
- (b) right angled
- (c) obtuse angled
- (d) none of these

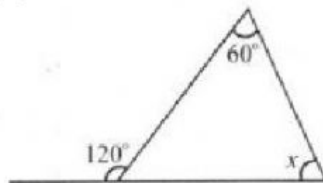
8. Find the value of x in this figure.

- (a) 40°
- (b) 60°
- (c) 35°
- (d) 180°



9. Find the value of x in given figure.

- (a) 180°
- (b) 55°
- (c) 90°
- (d) 60°



10. **A triangle in which all three sides are of equal lengths is called**

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- (a) Equilateral
- (b) Isosceles
- (c) Scalene
- (d) Acute angled triangle

11. **$\triangle ABC$ is right-angled at C. If $AC = 5$ cm and $BC = 12$ cm find the length of AB.**

- (a) 7 cm
- (b) 17cm
- (c) 13 cm
- (d) none of these

12. **$\triangle PQR$ is a triangle right angled at P. If $PQ = 3$ cm and $PR = 4$ cm, find QR.**

- (a) 7 cm
- (b) 17 cm
- (c) 13 cm
- (d) none of these.

13. **Which is the longest side in the triangle PQR right angled at P?**

- (a) PQ
- (b) QR
- (c) PR
- (d) none of these.

14. **Which is the longest side in the triangle ABC right angled at B?**

- (a) AB
- (b) BC
- (c) AC
- (d) none of these.

15. **Which is the longest side of a right triangle?**

- (a) perpendicular
- (b) base
- (c) hypotenuse
- (d) none of these.

16. In a $\triangle ABC$, $\angle A = 35^\circ$ and $\angle B = 65^\circ$, then the measure of $\angle C$ is:

- (a) 50°
- (b) 80°
- (c) 30°
- (d) 60°

17. The hypotenuse of a right triangle is 17 cm long. If one of the remaining two sides is 8 cm in length, then the length of the other side is:

- (a) 15 cm
- (b) 12 cm
- (c) 13 cm
- (d) none of these.

18. How many acute angles can a right triangle have?

- (a) 1
- (b) 2
- (c) 3
- (d) 0

19. The acute angles of right triangle are in the ratio 2 : 1. Find the measure of each of these angles.

- (a) 55° and 35°
- (b) 60° and 30°
- (c) 50° and 40°
- (d) 45° and 45°

20. One of the angles of a triangle is 100° and the other two angles are equal. Find the measure of each of these equal angles.

- (a) 45°
- (b) 40°
- (c) 41°
- (d) 42°