

## 11th Class ICS Mathematics Test Online

Sr	Questions	Answers Choice
1	When two sides and included angle is given, then area of triangle is given by:	D. all of these
2	In triangle the length of the sides are 7, $4\sqrt{3}$ and $\sqrt{13}$ . Then the smallest angle is:	A. $15^\circ$ B. $30^\circ$ C. $60^\circ$ D. $45^\circ$
3	The lengths of the sides of a triangle are proportional to the sines of the opposite angles to the sides. This is known as:	A. The law of sines B. The law of cosines C. The law of tangents D. The fundamental law
4	If $2s = a + b + c$ , then in any triangle ABC:	D. none of these
5	In $2s = a + b + c$ , then in any triangle ABC:	D. all of above
6	If $2s = a + b + c$ , then in any triangle ABC:	D. all of these
7	Question Image <input type="text"/>	A. right angled B. equilateral C. isosceles D. obtuse angled
8	In any triangle ABC, law of tangents is:	D. all of these
9	In a triangle ABC $b = \sqrt{3}$ , $c = 1$ , $\alpha = 30^\circ$ then $a =$ :	A. 2 B. 1 C. 3 D. -1
10	In a triangle ABC if $a^2 - b^2 + c^2 = ac$ then $\angle B =$	
11	In any triangle ABC, law of cosines is:	
12	In any triangle ABC, law of sines is:	
13	In a triangle ABC, $(s - a)(s - b) = s(s - c)$ , then the angle $\Gamma =$	
14	In triangle ABC, if $\Gamma = 90^\circ$ then:	D. $b = c + a$
15	If triangle ABC, if $\beta = 90^\circ$ then:	D. none of these
16	In triangle ABC, if $\alpha = 90^\circ$ then:	D. none of these
17	If the elevation of the sun is $30^\circ$ , the length of the shadow cast by a tower of 150m height is:	D. none
18	In a right isosceles triangle, one acute angle is:	A. $30^\circ$ B. $45^\circ$ C. $60^\circ$ D. $75^\circ$
19	If $\alpha$ , $\beta$ , $\Gamma$ are the angles of a oblique triangle, then:	A. $\alpha = 90^\circ$ B. $\beta = 90^\circ$ C. $\Gamma = 90^\circ$ D. none of these
20	Question Image <input type="text"/>	A. 3:5:2 C. 3:2:1 D. 1:2:3