

## 11th Class FSC Mathematics Chapter 12 Test Online

Sr	Questions	Answers Choice
1	$r_3 =$	
2	$r_2 =$	
3	$r_1 =$	
4	Question Image	
5	Question Image	A. $r_{sub>1</sub>}$ B. $r_{sub>2</sub>}$ C. $r_{sub>3</sub>}$ D. $r$
6	Question Image	
7	$r_1 r_2 r_3 =$	D. $abc$
8	The in-radius $r$ of a triangle is given by:	
9	The circum-radius $R$ of a triangle is given by:	
10	With usual notations for triangle $R$ equals:	
11	A circle passing through the vertices of a triangle is known as:	
12	A circle drawn inside a triangle and touching its sides is known as:	
13	A circle which touches one side of a triangle externally and the other two produces sides internally is known as:	
14	If $2s = a + b + c$ , where $a, b, c$ are the sides of a triangle ABC, then area of triangle ABC is given by:	
15	When two sides and included angle is given, then area of triangle is given by:	D. all of these
16	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. $45^\circ$
17	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
18	If $2s = a + b + c$ , then in any triangle ABC:	D. none of these
19	In $2s = a + b + c$ , then in any triangle ABC:	D. all of above
20	If $2s = a + b + c$ , then in any triangle ABC:	D. all of these