

SUVA SANGAM COLLEGE

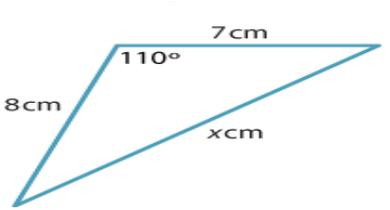
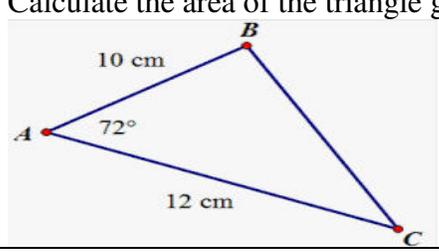
YEAR 12

MATHEMATICS

WORKSHEET 11

Strand 5	12.5 Trigonometry
Sub-Strand	12.5.1 Triangles
Content Learning Outcome	Investigate and solve problems using trigonometric relation
Reference from Text	Pg. 139-145

Questions

No.	CONCEPT IN BRIEF: Cosine rule $a^2 = b^2 + c^2 - 2bc \cos A$
1.	Find the length marked x in the triangle given below. 
	CONCEPT IN BRIEF: $\text{Area} = \frac{1}{2} ab \sin \theta.$
2.	Calculate the area of the triangle given below. 
	CONCEPT IN BRIEF: $\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$
3.	Calculate the value for x in the triangle given below. 