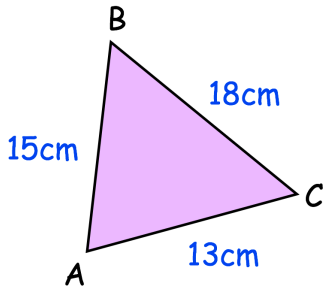
Name: _____ 5-a-day Higher Plus

24th June

Corbettmaths

Show that $(\sqrt{2} + 3\sqrt{8})^2 = 98$	
Prove that when two consecutive integers are squared, that the difference is equal to the sum of the two consecutive integers.	
$(ax + 1)(x - 3)(x + b) \equiv 2x^3 - 3x^2 - 8x - 3$ Find the values of a and b	
The population of birds living on an island is decreasing exponentially. Martin has begun to monitor the population each year. Year 6 - Population 5000 Year 8 - Population 4000	What was the population in Year 2?
	Find the size of the largest angle in this triangle.