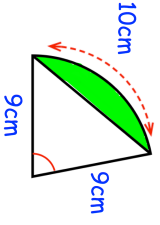
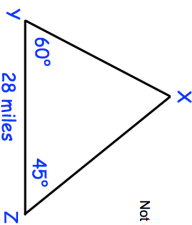
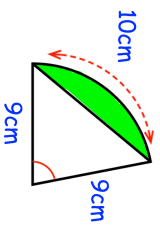
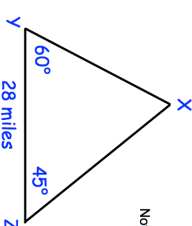


13th March		Corbettmaths
The first 4 terms of a sequence are: 400, 390, 375, 355 ...		
Which term is the first to be negative?		
Express $(5 - \sqrt{2})^2$ in the form $a + b\sqrt{2}$, where a and b are integers to be found		
Find the minimum point of the graph $y = x^2 - 6x - 20$		
	Calculate the area of the segment	
 <p>Not drawn to scale.</p>	How much closer is the boat, at point X, to the port at Y than the port at Z?	

13th March		Corbettmaths
The first 4 terms of a sequence are: 400, 390, 375, 355 ...		
Which term is the first to be negative?		
Express $(5 - \sqrt{2})^2$ in the form $a + b\sqrt{2}$, where a and b are integers to be found		
Find the minimum point of the graph $y = x^2 - 6x - 20$		
	Calculate the area of the segment	
 <p>Not drawn to scale.</p>	How much closer is the boat, at point X, to the port at Y than the port at Z?	