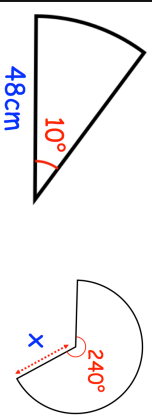
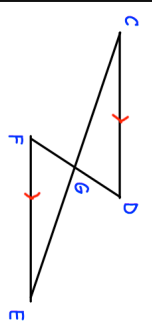
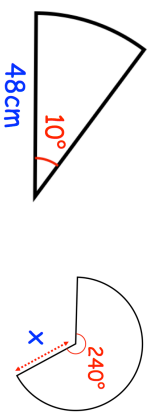
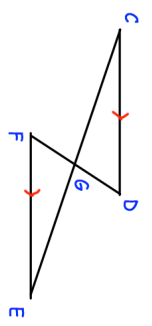


18th November		Corbettmaths
Simplify fully		
$\frac{3x^2 + 20x - 7}{16x^2 - 1} \div \frac{x + 7}{4x + 1}$		
	The two sectors have the same area. Find x	
	In the diagram, the lines CE and DF intersect at G. CD and FE are parallel and $CD = FE$ . Prove that triangles CDG and EFG are congruent.	
The curve C has equation $y = x^2 + ax + b$		
The minimum point of C has coordinates $(-4, 6)$		
Find a and b		
Prove that when two consecutive integers are squared, that the difference is equal to the sum of the two consecutive integers.		

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