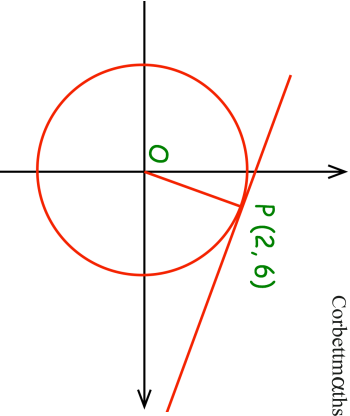
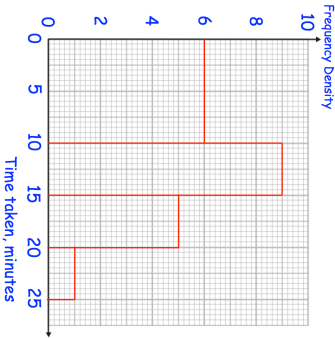
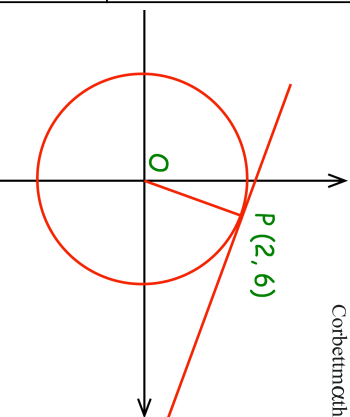
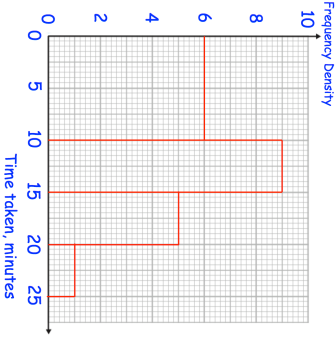


15th February		Corbettmaths
The diagram shows the circle $x^2 + y^2 = 40$ with a tangent at the point $(2, 6)$		
Find the gradient of the line OP		
Find the gradient of the tangent	Find the equation of the tangent	
	Two students are chosen at random. Work out the probability that both students take more than 5 minutes to travel to school.	
The histogram shows information about the time taken to travel to school by students.		
Prove that if two consecutive integers are squared, that the sum always gives a remainder of 1 when divided by 4.		

15th February		Corbettmaths
The diagram shows the circle $x^2 + y^2 = 40$ with a tangent at the point $(2, 6)$		
Find the gradient of the line OP		
Find the gradient of the tangent	Find the equation of the tangent	
	Two students are chosen at random. Work out the probability that both students take more than 5 minutes to travel to school.	
The histogram shows information about the time taken to travel to school by students.		
Prove that if two consecutive integers are squared, that the sum always gives a remainder of 1 when divided by 4.		