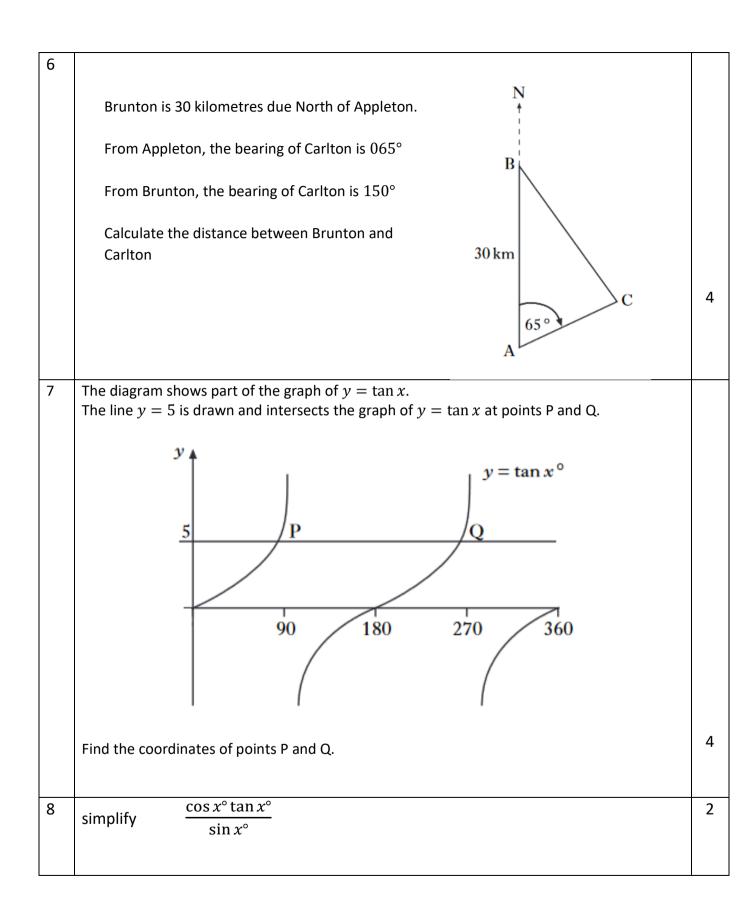
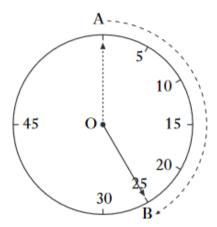
B2	Calculator Paper	
1	An industrial machine costs £177 000. Its value depreciates by 12% each year.	
	How much is it worth after 3 years? Give your answer correct to the nearest whole number	4
2	Find the volume of a cone with a radius of 370 m and a height of 410 m . Give your answer rounded to 2 significant figures in scientific notation.	4
3	For triangle ABC: • AB is 20 cm, • BC is 16 cm • Angle ABC is 80° Calculate area of this triangle.	2
	A ^c	
4	Calculate the equation of the straight line from point A $(6, -3)$ to point $F(20, 4)$ Give the equation of this line in the simplest form.	3
5	For triangle EDF: • ED is 13.2 metres • DF is 14.6 metres • EF is 19.7 metres	3
	Is triangle EDF a right-angled triangle?	



9 For the clock shown below counts to one minute. The clock hand OB is pointing to 25 seconds.



- (a) Calculate the size of angle AOB
- (b) If the length of the arc AB is 120 centimetres, calculate the length of the clock hand OB

30 marks

2022

1

3