
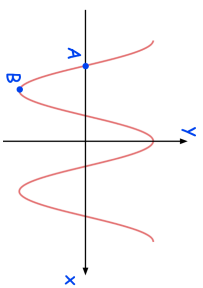
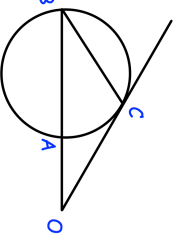

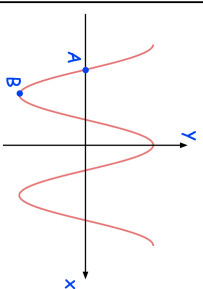
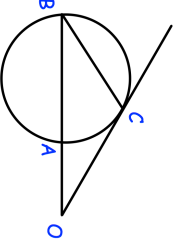


3rd July	
Here is a sketch of $y = \cos(x)$ Write down the coordinates of point B	
The ratio of Matt's age to Paul's age is $x:y$ Two years ago, the ratio of their ages was $5:8$ In three years time, the ratio of their ages will be $2:3$ Express $x:y$ in its lowest terms	
The distance between $(-3, a)$ and $(5, 1)$ is 17 units. Find two possible values for $a$ .	
The numbers $m$ and $n$ are irrational and are not the same. $m + n$ is rational Write down possible values for $m$ and $n$	
	OAB is a straight line and OC is a tangent to the circle. Prove OBC and OAC are similar

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