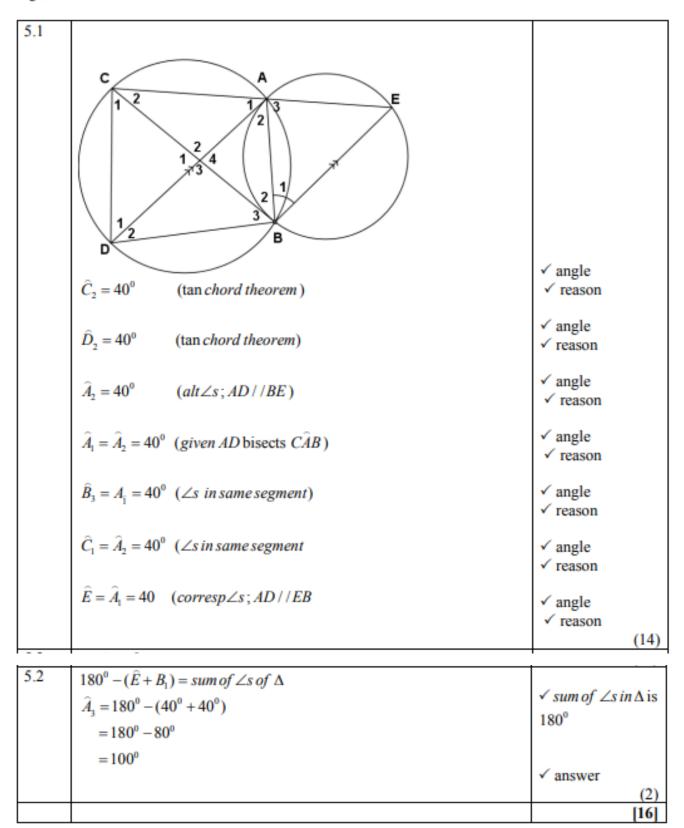
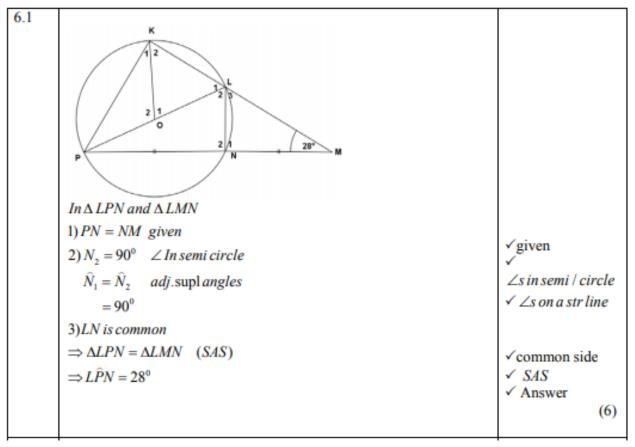
## QUESTION 5



## QUESTION 6



<u> </u>	
6.2 $\hat{K}_1 + \hat{K}_2 = 90^\circ$ $K\hat{P}M = 180^\circ - (90^\circ + 28^\circ)$ sum of $\angle$ 's of $\Delta$ $= 180^\circ - 118^\circ$	✓ ∠s in semi / circle
= 62°	$\checkmark$ sum of $\angle s$ in $\Delta$
$\Rightarrow K\widehat{P}0 = 62^{\circ} - 28^{\circ}$ $= 34^{\circ}$	√34°
$\Rightarrow K\widehat{OP} = 180^{0} - (34^{0} + 34^{0})  sum of \angle's \text{ of } \Delta$	$\checkmark$ sum of $\angle s$ in $\Delta$
$= 180^{0} - 68^{0}$ $= 112^{0}$	√answer
OR	
$\hat{L}_1 = 28^0 + 28^0$ ext. $\angle = sum of opp.int. \angle$	√ √ statement and
$K\widehat{O}P = \widehat{L}_1 + \widehat{K}_2$ ext. $\angle = sum \ of \ opp. $ int. $\angle$ $K\widehat{O}P = 56^0 + 56^0$	reason  ✓✓ statement and reason
=1120	√answer (5)
	[11]

## QUESTION 7

7.1.1	$OB = EB = x + 8 \ radii$	✓answer (1)
7.1.2	In ΔOBD	
	$O\hat{D}B = 90^{\circ}$ line from centre to midpoint of the chord	✓90°
	$OD^2 + DB^2 = OB^2$ Pythagoras theorem	✓ formula ✓ subst.
	$x^2 + 12^2 = (x+8)^2$	Sabst.
	144 = 16x + 64	
	$16x = 80 \Longrightarrow x = 5$	✓answer
	$\therefore OB = 5 + 8 = 13cm$	(4)
7.2.1	$x = 180^{\circ} - (68^{\circ} + 68^{\circ})$	V V
	$=180^{\circ}-136^{\circ}$	sum of ∠s of ∆
	$=44^{\circ}$	✓Answer
		(3)
7.2.2	$\widehat{B}_1 = 32^{\circ} \tan chord \ theorem$	√tan chord
	$y = 180^{\circ} - (36^{\circ} + 32^{\circ})$	theorem
	$=180^{\circ}-68^{\circ}$	✓ sum of ∠s of ∆
		✓Answer
	=112°	(3)