

Question	Working	Answer	Mark	Notes	Sub-Total	Total
16 (a)		$6w^5y^8$	B2	B1 for 2 terms correct as part of a product. Do not ISW	2	4
(b)		$3a^2c$	B2	B1 for 2 terms correct as part of a product, allow $3a^2c^1$ . Do not ISW	2	
17	$OBA = 52^\circ$		M1	may be marked on diagram		
	$AOB = 76^\circ$ or $BAC = 128^\circ$		M1	may be marked on diagram must be identified as correct angles		
		14	A1			4
	e.g. angle between <b>tangent</b> and <b>radius</b> = <b><math>90^\circ</math></b> base angles/radii equal / isosceles triangle <b>Angle sum</b> of <b>triangle</b> Angle sum of <b>triangle</b> = <b>180</b> <b>Angle sum</b> of <b>straight line</b> Angle sum of <b>straight line</b> = <b>180</b>		B1	for 2 correct reasons for method used		
18 (a)	$\begin{pmatrix} -4 \\ 2 \end{pmatrix} + \begin{pmatrix} -2 \\ 6 \end{pmatrix}$ or $\begin{pmatrix} -2 \\ 6 \end{pmatrix} - \begin{pmatrix} 4 \\ -2 \end{pmatrix}$	$\begin{pmatrix} -6 \\ 8 \end{pmatrix}$	M1  A1	oe	2	4
(b)	$\sqrt{(-6)^2 + 8^2}$		M1ft	ft part(a). Condone missing minus.	2	
		10	A1ft	ft part (a)		