22	eg $MP = \sqrt{8^2 + 6^2}\ (=10)$		6	M1	for a method to find *MP* may be seen in subsequent working eg in the correct place in the cosine rule 10 seen without a correct method or without being identified as *MP* scores M0
	eg $BM = \sqrt{\left(\sqrt{10^2 + 6^2}\right)^2 + 8^2}\ \left(=\sqrt{200} = 10\sqrt{2} = 14.1...\right)$			M1	for a method to find *BM*
	eg $BP = \sqrt{12^2 + 10^2}\ \left(=\sqrt{244} = 2\sqrt{61} = 15.6...\right)$			M1	for a method to find *BP*
	eg $"244" = "10"^2 + "200" - 2 \times "10" \times "\sqrt{200}" \cos BMP$ **or** $\cos BMP = \dfrac{"10"^2 + "200" - "244"}{2 \times "10" \times "\sqrt{200}"}$ oe			M1	for correct substitution into the cosine rule
	angle $BMP = \cos^{-1}\left(\dfrac{"10"^2 + "200" - "244"}{2 \times "10" \times "\sqrt{200}"}\right)$ oe			M1	for a complete correct method to find angle *BMP*
	Correct answer scores full marks (unless from obvious incorrect working)	78.6		A1	accept 78.5 − 78.7
					Total 6 marks