Question	Answer	Mark	Mark scheme	Additional guidance
18	Proof	M1	begins proof to show that triangles *ABO* and *CBO* or triangles *ABD* and *CBD* are congruent by giving one pair of equal sides or equal angles with reason	Where *D* is point such that *BOD* is diameter
		M1	for different pair of equal sides or angles with reason	
		C1	for full proof that triangles *ABO* and *CBO* are congruent, SSS, or triangles *ABD* and *CBD* are congruent, RHS, and therefore angle *ABO* = angle *CBO* *AB* = *CB* (given) *BO* (or *BD*) is common *AO* = *CO* radii of circle angle *BAD* = angle *BCD* angles in a semicircle are 90 (*BO* = *AO* = *CO* radii of circle) counts as two sides with reasons	
			OR	
		M1	draws *OA*, *OC* and *AC* and labels angle *OAC* = *x* and angle *OCA* = *x* with reason given, *AO* = *CO* radii of circle and base angles of an isosceles triangle are equal **or** *BAC* = *BCA* since *ABC* is isosceles	
		M1	shows *OAC* = *OCA* **and** shows *BAC* = *BCA* **and** uses these to show *OAB* = *OCB* with all reasons given	
		C1	for full proof concluding with angle *ABO* = *y* **and** angle *CBO* = *y* with reason given, eg *OA* = *OB* = *OC* radii of circle and *OBC* and *OAC* are isosceles	