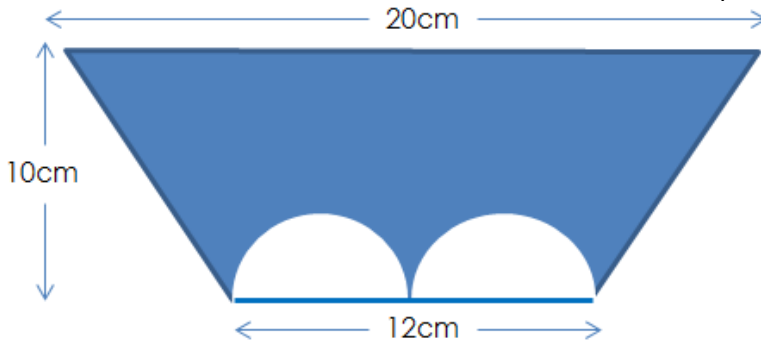


Name: _____

YEAR 11 MINI-ASSESSMENT 17

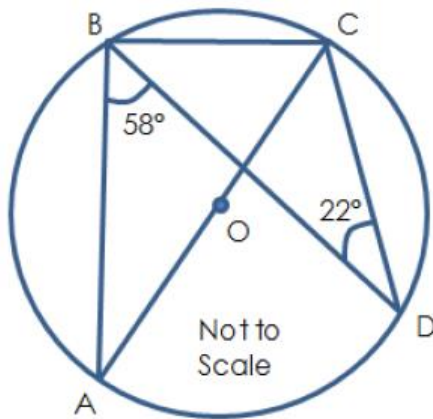
FOUNDATION – CIRCLES – NON CALCULATOR

1. The diagram shows a trapezium with two identical semi-circles. Find the area of the shaded area. Give your answer in terms of π .



[4 marks]

2. A, B, C and D are points on the circumference of a circle with centre O and diameter AC.

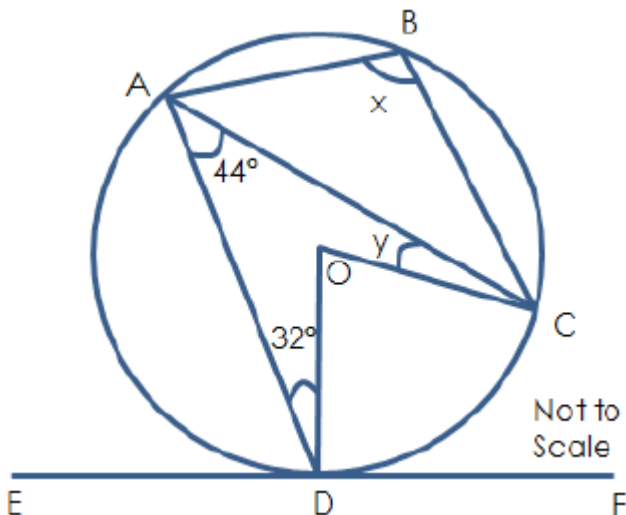


Find, giving geometrical reasons each time, the size of angles ACD and ACB.

[5 marks]

3. The diagram shows a circle with centre O. A, B, C and D are points on its circumference and EDF is a tangent to the circle.

Work out the size of angles x and y.



[7 marks]