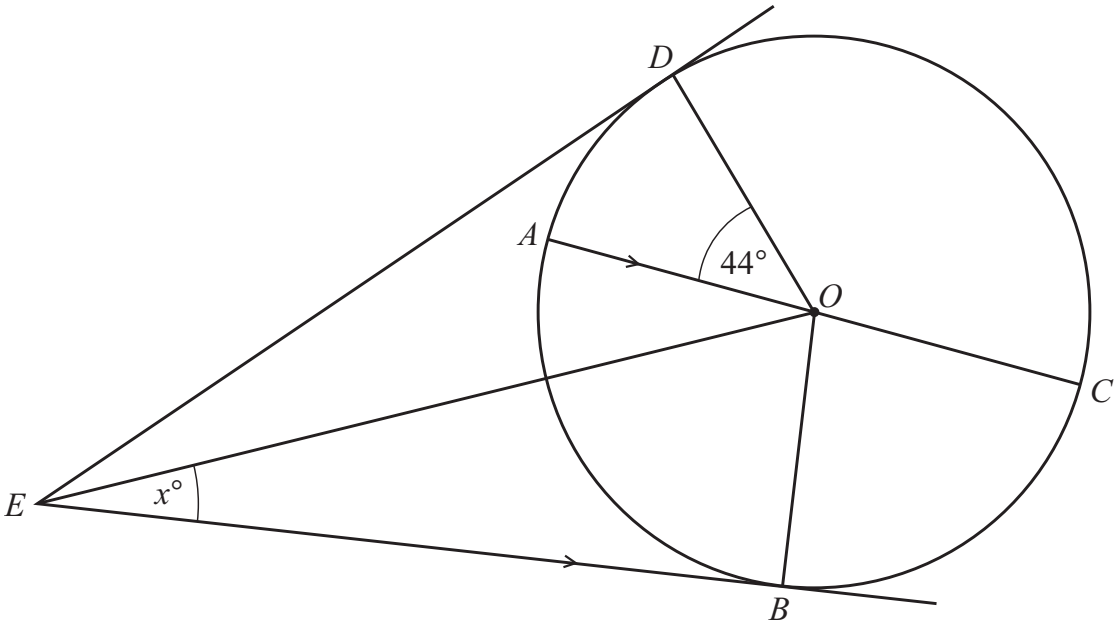
13



NOT TO SCALE

A, B, C and D are points on the circumference of a circle with centre O.
ED and EB are tangents to the circle.
AC is parallel to EB.
Angle $AOD = 44°$.

Find the value of x.

$x =$ ..... [4]

14 The minimum point on a quadratic curve is (–3, –5).

(a) Find the equation of the line of symmetry of the curve.

..... [1]

(b) Write the equation of the curve in the form $y = (x + a)^2 + b$.

$y =$ ..... [1]