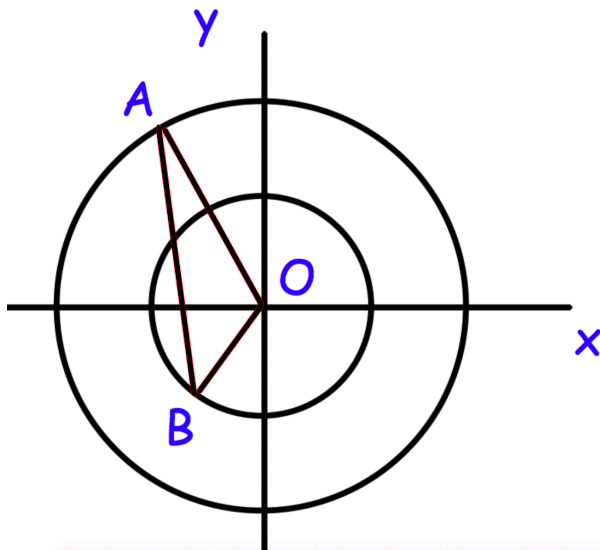


Work out an estimate for the distance the car travels in these 10 seconds

Is your answer an underestimate or an overestimate?
Explain your answer.

Shown is the first 10 seconds of the journey of a car



radius of the smaller circle : radius of the large circle is 5 : 7

$AB = 12$

Work out the size of angle AOB

A is a point on a circle.
B is a point on another circle with equation $x^2 + y^2 = 36$

Given

$$(ax + b)(x + 4)(x + c) \equiv 2x^3 + 19x^2 + 49x + 20$$

Find a, b and c