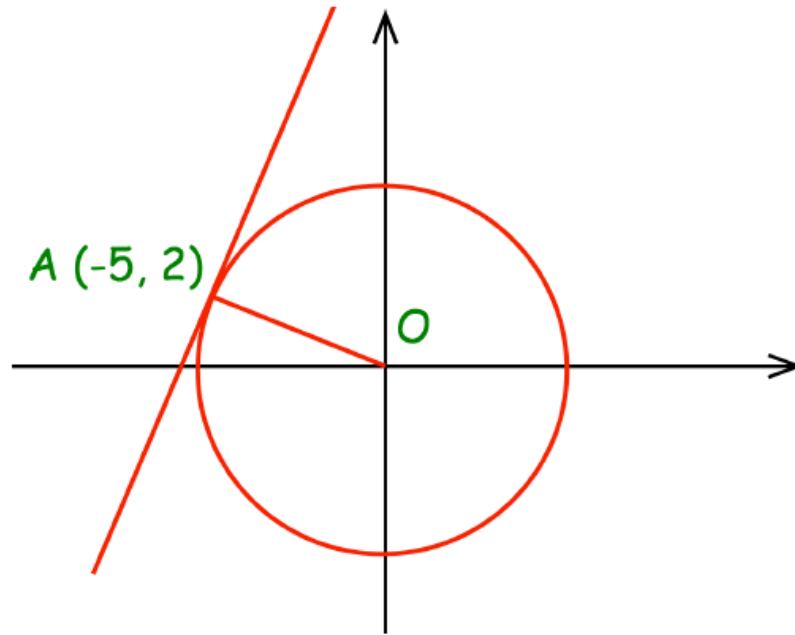


3. The diagram shows the circle $x^2 + y^2 = 40$ with a tangent at the point $(2, 6)$



- (a) Find the gradient of the line AO .

.....
(1)

- (b) Find the gradient of the tangent

.....
(1)

- (c) Find the equation of the tangent

.....
(2)