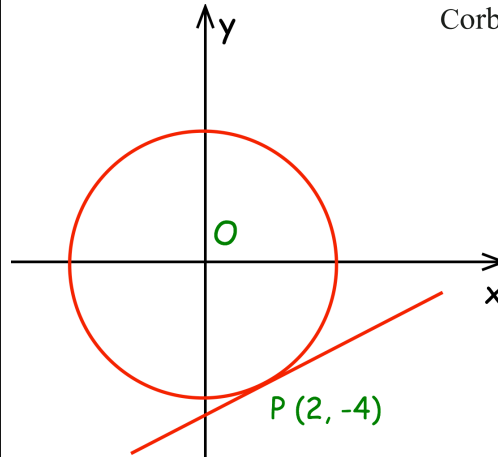


**21st March**



Here is a circle, centre O, and the tangent to the circle at the point (2, -4).

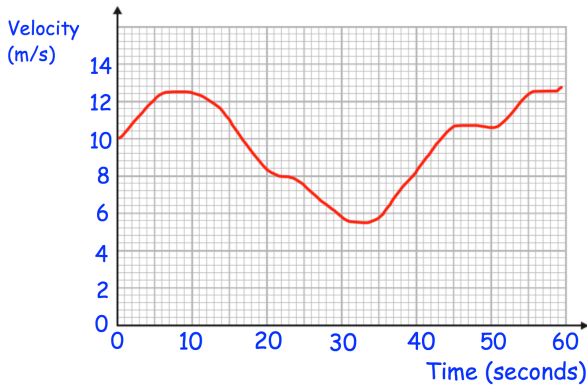
Find the equation of the tangent at the point P.



m is an integer

Solve

$$m^2 + 5m - 36 < 0$$



Here is a velocity time graph for the first 60 seconds of a journey.

Calculate an estimate for the acceleration after 40 seconds

Calculate an estimate for the total distance travelled in the 60 seconds.