



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

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.

Prove the sum of four consecutive odd numbers is always a multiple of 8.

Find an expression, in terms of n , for the n th term of the quadratic sequence

5 16 31 50

Find where the tangent to the circle $x^2 + y^2 = 20$ at the point $(4, -2)$ meets the y -axis.