

24th July

Corbettmaths

 $f(x) = 21 - 2x$ has domain $-3 \leq x \leq 10$ Work out the range of $f(x)$

The first 5 terms of a quadratic sequence are

-11 0 13 28 45

Work out the sum of the 10th and 20th terms.

Prove that when any odd integer is squared, the result is always one more than a multiple of 8.

$$y = \frac{3x^2 - 2x^9}{x^4}$$

Find $\frac{dy}{dx}$ Angle θ is reflex and $\cos\theta = \frac{3}{4}$ Work out the value of $\tan\theta$