

**11th August**

Corbettmaths

There are two possible triangles DEF, where  $DE = 6.2\text{cm}$ ,  $EF = 7.9\text{cm}$  and  $\angle DFE = 30^\circ$

Find the difference between their largest angles.

The  $n$ th term of a sequence is

$$T_n = \frac{46n}{2n - 1}$$

Work out the largest value of  $n$  for which

$$T_n > 23.5$$

Sketch  $y = \sin x$  with  $-180^\circ \leq x \leq 180^\circ$

Solve  $8^{x^2+4x+3} = 16^{x^2+5x+6}$