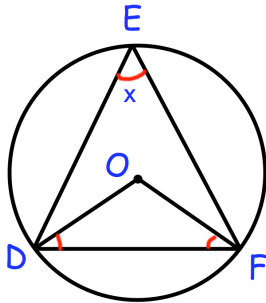




Write as a single fraction

$$\frac{4}{2x+1} + \frac{1}{x+3}$$



Given $\angle ODF = 2y - 10^\circ$ and $\angle OFD = y + 22^\circ$

Find $\angle DEF$

Prove $(n+5)^2 - (n+3)^2$ is a multiple of 4.

Write $(3 - 7\sqrt{6})(5 - \sqrt{6})$ in the form $a + b\sqrt{6}$ where **a** and **b** are integers.

Find, in terms of k , the 20th term of the arithmetic sequence

$(5k - 3), (8k + 1), (11k + 5), \dots$