

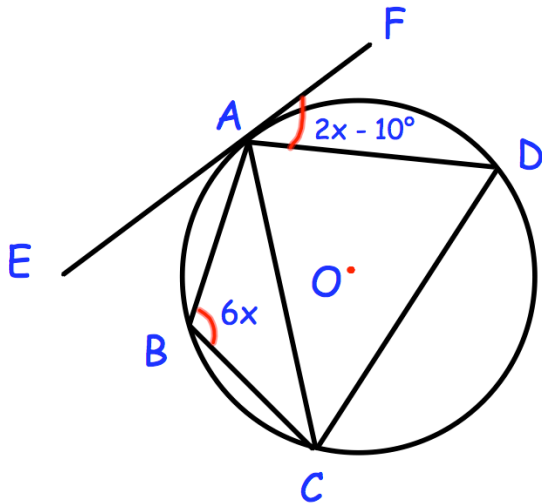
19th November



Corbettmaths

Use the factor theorem to show that  
 $(x + 4)$

is **not** a factor of  
 $x^3 - 12x^2 + 47x - 35$



EF is a tangent to a circle, centre O.  
 $\angle DAF = 2x - 10^\circ$   
 $\angle ABC = 6x$   
 $AC = CD$

Find the size of angle  $\angle DAF$

Here are two transformation:

A: A rotation of  $180^\circ$

B: A reflection in the x-axis

Work out the single matrix which  
 represents the combined transformation  
 B followed by A.