

**29th February**

Corbettmaths

Given

$$f(x) = \frac{8x - 1}{5}$$

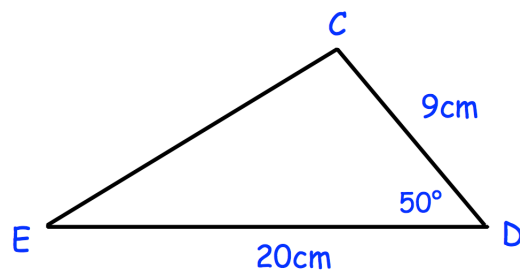
find

$$f(3)$$

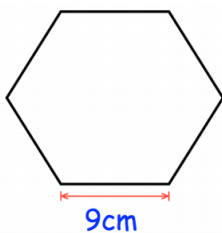
The radius of a sphere is 4cm.  
The radius of the base of a cone is also 4cm.  
The volume of the sphere is twice the volume of the cone.

Find the height of the cone.

Calculate the size of angle DCE



Express  $3x^2 - 18x + 16$  in the form  $a(x - b)^2 + c$



Calculate the area of the regular hexagon