

**31st October**

Corbettmaths

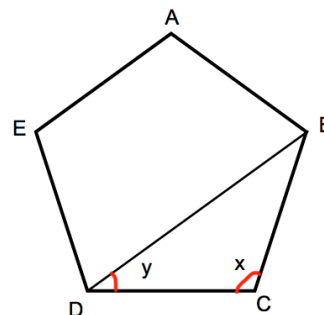
Factorise  $y^2 - 64$ 

The diagram shows two lighthouses.  
 A boat is within than 5 miles of lighthouse A.  
 The same boat is within 4 miles of lighthouse B.  
 Shade the possible area in which the boat could be.



Shown below is a regular pentagon  
 ABCDE.

Work out angles  $x$  and  $y$



Calculate the gradient of the  
 straight line passing through  $(0, 3)$   
 and  $(4, 11)$ .

Write down the equation of the line.