

Name: \_\_\_\_\_

5-a-day

Higher Plus

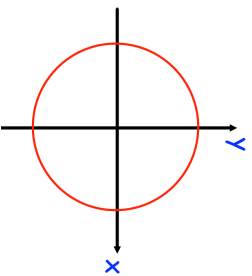


11th March

Make m the subject

$$TX = \frac{m + 8}{m - 1}$$

The circle shown has  $x^2 + y^2 = 36$



Find the circumference of the circle.  
Give your answer in terms of  $\pi$

Find the area of the circle.  
Give your answer in terms of  $\pi$

Express  $3x^2 + 18x - 5$  in the form  
 $a(x + b)^2 + c$

Prove every term in the sequence  
 $n^2 - 8n + 21$  is positive

Name: \_\_\_\_\_

5-a-day

Higher Plus

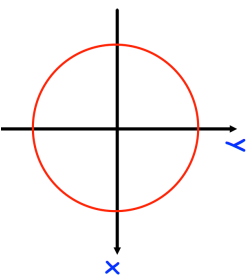


11th March

Make m the subject

$$TX = \frac{m + 8}{m - 1}$$

The circle shown has  $x^2 + y^2 = 36$



Find the circumference of the circle.  
Give your answer in terms of  $\pi$

Find the area of the circle.  
Give your answer in terms of  $\pi$

Express  $3x^2 + 18x - 5$  in the form  
 $a(x + b)^2 + c$

Prove every term in the sequence  
 $n^2 - 8n + 21$  is positive