

4th Jan



Corbettmαths

Find the distance between the points A(4, 0) and B(9, -1)

Find the value of

$$16^{-\frac{3}{4}}$$

Solve  $x^2 - 2x - 15 > 0$

Find the equation of the line that is perpendicular to  $3x + y = 8$  and passes through the point (1, 5)

The curve C has equation  $y = f(x)$ ,  $x \neq 0$ , and the point A (1, 7) lies on C.  
Given

$$f'(x) = 2x + 5 - \frac{6}{x^2}$$

Find  $f(x)$