



Rationalise the denominator

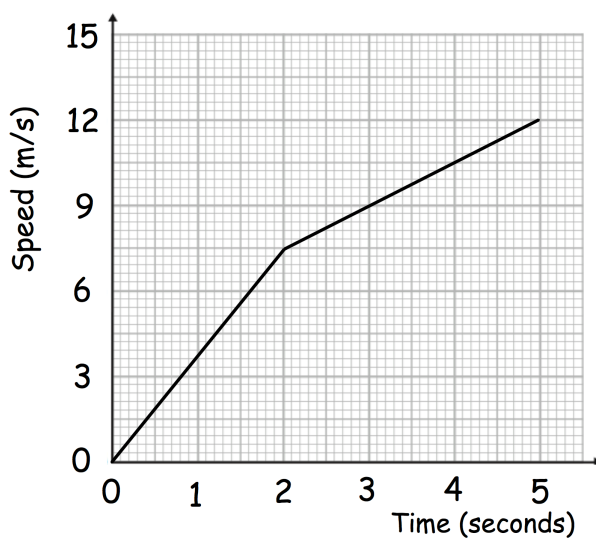
$$\frac{2}{\sqrt{3} - 1}$$

Express $3x^2 + 18x - 1$ in the form $a(x + b)^2 + c$

The number y has been rounded to 1000 correct to one significant figure.

Write the error interval for y .

A dog runs after a squirrel.
The graph below shows his speed.



How far did the dog run during the first 5 seconds?

Work out the dog's average acceleration over the first 5 seconds.