



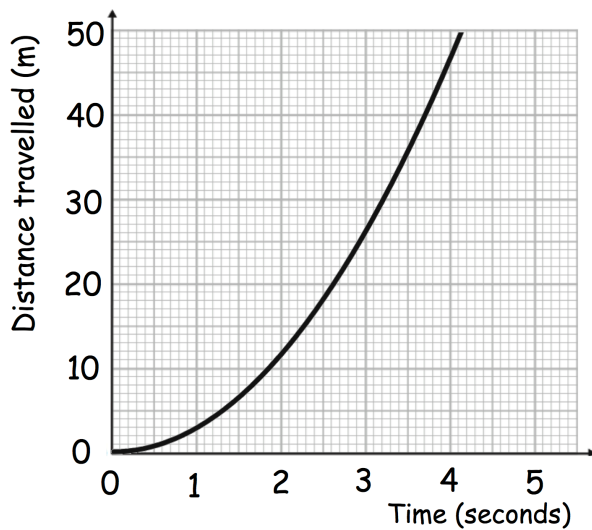
Given

$$f(x) = \frac{2x + 4}{3}$$

find

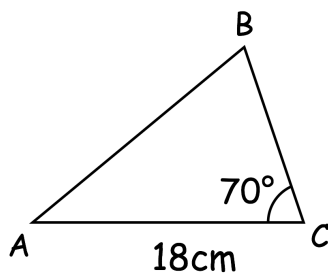
$$f^{-1}(x)$$

The graph shows information about part of a dog's journey.



Work out an estimate of the speed of the dog at time 3 seconds.

Write $3x^2 - 12x + 41$ in the form $a(x + b)^2 + c$



The area of the triangle is 135cm^2 .
Find the length of AB.