

6th June



Corbettmaths

Expand and simplify  
 $(x - 1)(3x - 1)(x - 4)$

$$f(x) = 1 + \cos x^\circ$$

Find  $f(100)$

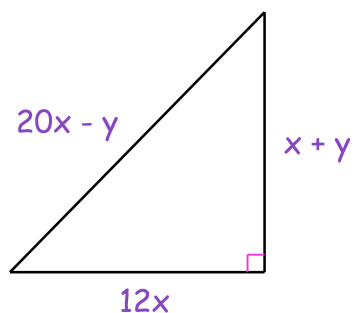
Give your answer to 3 decimal places.

$$g(x) = \tan x^\circ$$

Find  $fg(88)$

Give your answer to 3 decimal places.

Below is a right angled triangle.



Prove  $x : y = 14 : 85$