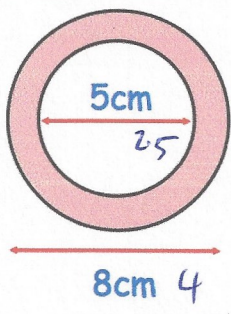
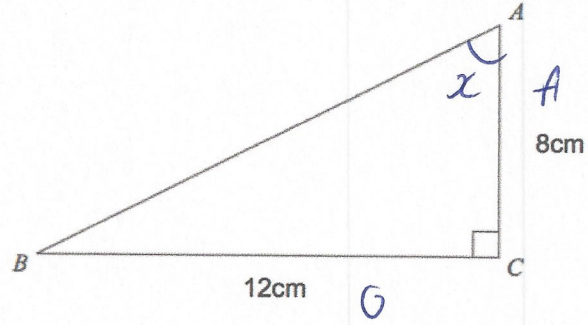
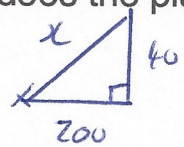
 Corbettmaths	
20th September	
A = $6 \times 10^5$ B = 30000 C = $5 \times 10^{-2}$	Work out C <sup>2</sup> $5 \times 10^{-2} \times 5 \times 10^{-2}$ $25 \times 10^{-4}$ $2.5 \times 10^{-3}$
Calculate the shaded area $(\pi \times 4^2) - (\pi \times 2.5^2)$ $30.63 \text{ cm}^2$	
Find the size of angle BAC $\tan x = \frac{12}{8}$ $\tan^{-1}\left(\frac{12}{8}\right) =$ $56.31^\circ$	
A plane takes off from an airport and then flies 200 miles East and then 40 miles North.  The plane then flies directly back to the airport.	How far does the plane fly in total?  $x^2 = 200^2 + 40^2$ $x^2 = 41600$ $x = 203.96$ 443.96 miles
Barry buys 200 pieces of stationary for £76. Of the 200 pieces, x of them are rulers that cost 50p each and y of them are pens that cost 20p each.	How many rulers and how many pens does he buy?  Rulers: <u>120</u> Pens: <u>80</u>