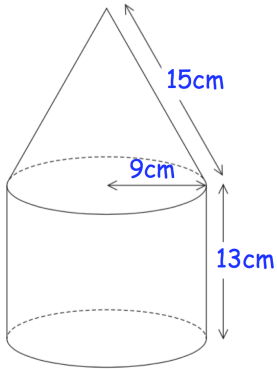




A cylinder and a cone are joined together to make a solid.  
The cylinder has a radius of 9cm and height of 13cm.  
The cone has a slant height of 15cm.



Find the total surface area of the solid.

Express  $3x^2 + 24x - 1$  in the form  $a(x + b)^2 + c$

A circle has equation

$$x^2 + y^2 = 0.25$$

Write down the length of its diameter

A clock has two hands.  
A minute hand which is 7cm long and  
an hour hand which is 5cm long.

Find the distance between the tips of  
the two hands at 7:20am