Answer on Question#39590 – Math – Geometry

The diameter of circle is 42m, a wide path is built around it 3.5m ......find the total area of circle???

Solution:
We can find total area of circle using the formula:

$$\text{area of circle} \ = \ \pi \cdot R^2_{\text{total}} = \pi \cdot \left(\frac{D}{2} + h\right)^2 = \pi \cdot \left(\frac{42m}{2} + 3.5m\right)^2 = 1886 \ m^2$$

Answer: total area of circle is equal to $1886 \ m^2$.