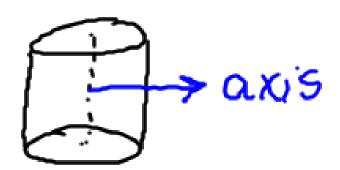
12 - 4 Surface Area of Cylinders



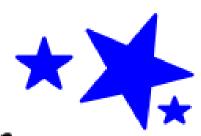






Lateral Area: 2000h

Ex: Find the lateral area of a cylinder with a radius of 3 in and a height of 6 in.



Surface Area: 2πrh + 2πr²

Ex: Find the surface area of a cylinder with a diameter of (1=5) 10 cm and a height of 14 cm.

$$2\pi rh + 2\pi r^{2}$$

 $2\pi r \cdot 5.14 + 2\pi r \cdot 5^{2}$
 $140\pi + 50\pi$
 190π
 190π
 $596.9cm^{2}$

Ex: Find the diameter of a cylinder with a surface area of 128π cm² and a height of 12 cm.



Homework:

12 - 4 WS