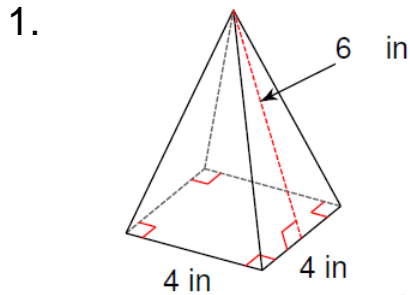


Surface Area of Pyramids and Cones
Homework

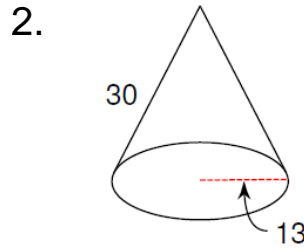
Name: _____

Find the lateral and total surface area of the figures below.



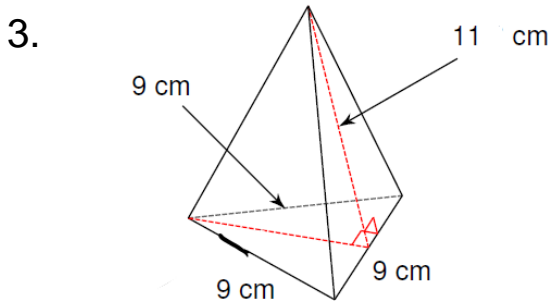
$$LA = \frac{(4 \cdot 4) \cdot 6}{2} = 48$$

$$TSA = 48 + 4 \cdot 4 = 64$$



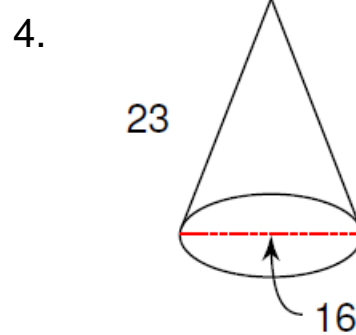
$$LA = \frac{(26\pi) \cdot 30}{2} = 390\pi$$

$$TSA = 390\pi + \pi \cdot 13^2 = 559\pi$$



$$LA = \frac{(9 \cdot 9) \cdot 11}{2} = 148.5$$

$$TSA = 148.5 + 20.25\sqrt{3}$$



$$LA = \frac{(16\pi) \cdot 23}{2} = 184\pi$$

$$TSA = 184\pi + \pi \cdot 16^2 = 248\pi$$

5. Sphere with radius = 14

$$784\pi$$

6. Sphere with diameter = 24

$$576\pi$$