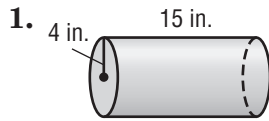


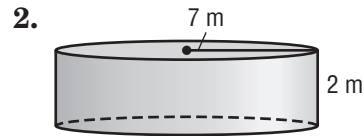
Lesson 4 Homework Practice

Surface Area of Cylinders

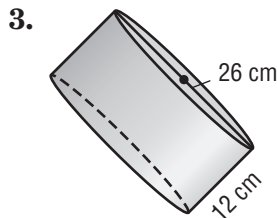
Find the total surface area of each cylinder. Round to the nearest tenth.



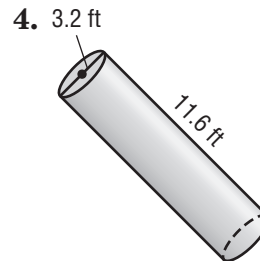
$$477.5 \text{ in}^2$$



$$395.8 \text{ m}^2$$

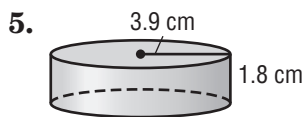


$$2,042.0 \text{ cm}^2$$



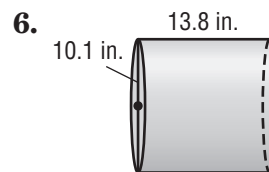
$$132.7 \text{ ft}^2$$

Estimate the total surface area of each cylinder.



Sample answer:

$$2(3)(4)(2) + 2(3)(4^2) = 144 \text{ cm}^2$$



Sample answer:

$$3(10)(14) + 2(3)(5^2) = 570 \text{ in}^2$$

7. **FENCE POST** A cylindrical wooden fence post has a radius of 4 inches and a height of 48 inches. Find the surface area of the fence post. Round to the nearest tenth. **1,306.9 in²**

8. **POSTER** Walt is wrapping a poster enclosed in a cylindrical tube. The tube has a diameter of 6 centimeters and a length of 50 centimeters. Find the amount of wrapping paper Walt needs. Round to the nearest tenth. **999.0 cm²**