10-4 Surface Area of Prisms and Cylinders

Practice: Finding Lateral Areas and Surface Areas of Prisms

2. Find the lateral area and surface area of the right rectangular prism.



10-4 Surface Area of Prisms and Cylinders

Practice: Finding Lateral Areas and Surface Areas of Right Cylinders

3. Find the lateral area and surface area of the right cylinder. Give your answers in terms of π .









Practice: Exploring Effects of Changing Dimensions

- 8. The edge length of the cube is tripled. Describe the effect on
- 9. The sides of the prism are multiplied by 1/2. Describe the







0-6 Volume of Prisms and Cylinders

Practice

- 4. Find the volume of the composite figure. Round to the nearest tenth.
- 5. Find the volume of the composite figure. Round to the nearest tenth.











Practice: Finding Surface Area & Volume of Spheres

- 3. Find the surface area of a sphere with diameter 76 cm. Give your answers in terms of π .
- 4. Find the volume of a sphere with surface area 324π in². Give your answers in terms of π .

10-8 Spheres

Practice: Finding Surface Area of Spheres

 $A = 49\pi \, \text{mi}^2$

5. Find the surface area of a sphere with a great circle that has an area of 49π mi².

