

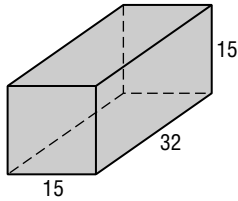
12-3 Practice

Geometry 1 Q4HW1
Page 1 of 2 - All work on looseleaf.

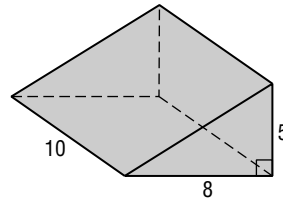
Surface Areas of Prisms

Find the lateral area of each prism. Round to the nearest tenth if necessary.

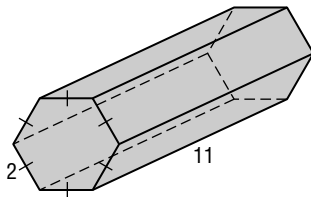
1.



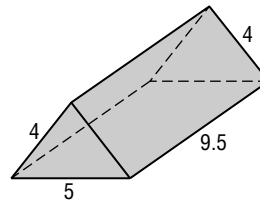
2.



3.

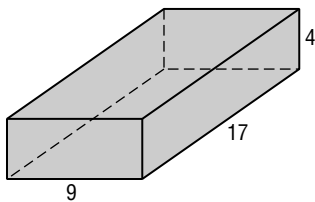


4.

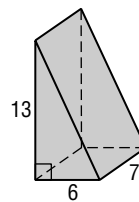


Find the surface area of each prism. Round to the nearest tenth if necessary.

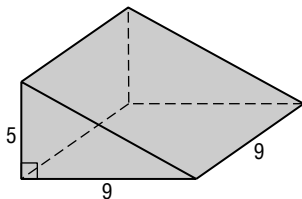
5.



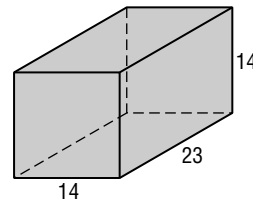
6.



7.



8.



- 9. CRAFTS** Becca made a rectangular jewelry box in her art class and plans to cover it in red silk. If the jewelry box is $6\frac{1}{2}$ inches long, $4\frac{1}{2}$ inches wide, and 3 inches high, find the surface area that will be covered.

**12-4 Skills Practice*****Surface Areas of Cylinders***

Find the surface area of a cylinder with the given dimensions. Round to the nearest tenth.

1. $r = 10$ in., $h = 12$ in.

2. $r = 8$ cm, $h = 15$ cm

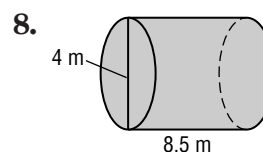
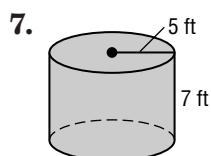
3. $r = 5$ ft, $h = 20$ ft

4. $d = 20$ yd, $h = 5$ yd

5. $d = 8$ m, $h = 7$ m

6. $d = 24$ mm, $h = 20$ mm

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



Find the radius of the base of each cylinder.

9. The surface area is 603.2 square meters, and the height is 10 meters.

10. The surface area is 100.5 square inches, and the height is 6 inches.

11. The surface area is 226.2 square centimeters, and the height is 5 centimeters.

12. The surface area is 1520.5 square yards, and the height is 14.2 yards.