

Name: \_\_\_\_\_ Period: \_\_\_\_\_ Due: \_\_\_\_\_

Score: \_\_\_ / \_\_\_

Percent: \_\_\_\_\_ =  $\frac{\quad}{10}$

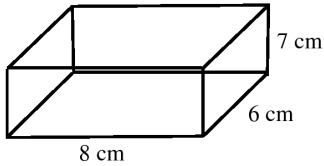
**ASSIGNMENT 10-4**  
**SURFACE AREA**

**SYW: NO WORK = NO CREDIT**  
**WORK IN PENCIL ONLY!**

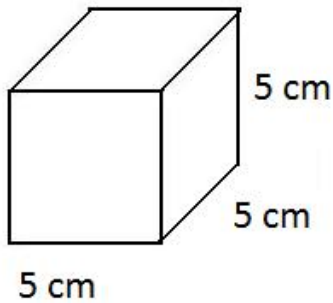
SURFACE AREA

Find the surface area of the following 3D figures. Draw a picture if it helps. Show your work!!

1.

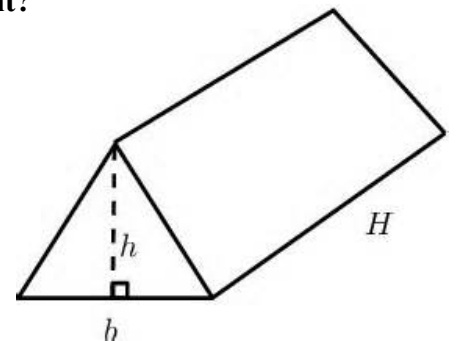


2.



3. You want to make your own tent to go camping in over the summer. You know that the shape of the tent will be an isosceles triangular prism with a base of 6 feet and a height of 4 feet and a slant of 5 ft. The length of the tent is 7 feet. Answer the following questions concerning your tent.

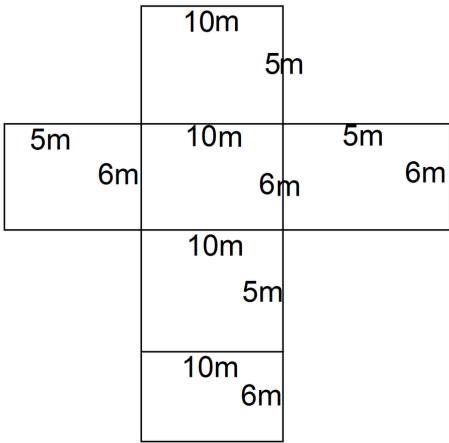
a. How many square feet of fabric do you need to make the tent?



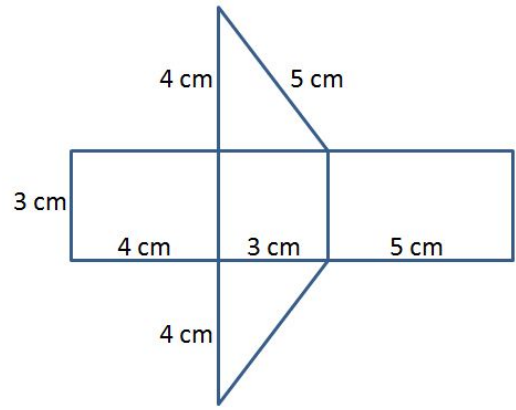
b. If the fabric costs \$1.50 per foot, how much would your tent cost to make?

Find the area of the following composite figures. Show your work!

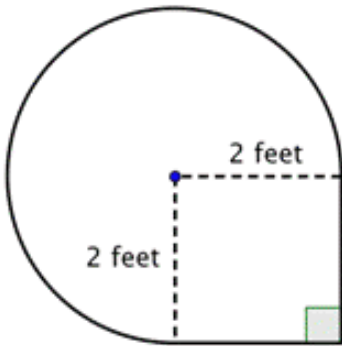
4.



5.

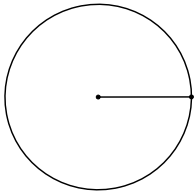


6.

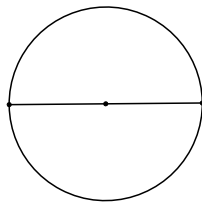


Find the area and circumference of the following circles.

7.  $r = 4$  mm.



8.  $D = 14$  yd.



9.  $D = 36$  in.

