

Name: _____

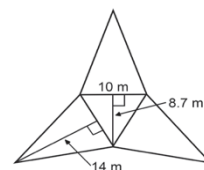
Date Started: _____ Date Completed: _____ Score: _____

Learning Activity Sheet Surface Area of Triangular and Other Pyramids

A. Circle the letter that corresponds to the correct answer.

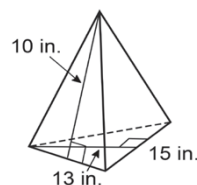
1. The net of a triangular pyramid is shown on the right. If the lateral faces are identical, what is the surface area of the triangular pyramid?

a. 210 sq. m c. 420 sq. m
b. 253 sq. m d. 463.5 sq. m



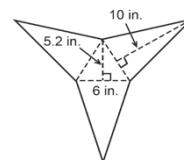
2. If the lateral faces are identical, what is the lateral area of the triangular pyramid given on the right?

a. 195 sq. in c. 322.5 sq. in
b. 225 sq. in d. 547.5 sq. in



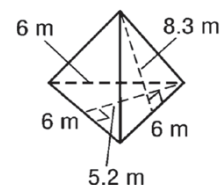
3. The net of a triangular pyramid is shown on the right. If the lateral faces are identical, what is the surface area of the triangular pyramid?

a. 90 sq. in c. 180 sq. in
b. 105.6 sq. in d. 195.6 sq. in



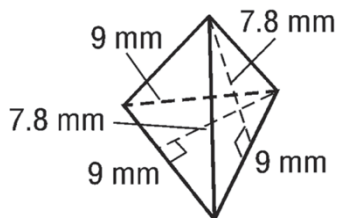
4. If the lateral faces are identical, what is the lateral area of the triangular pyramid?

a. 46.8 sq. in c. 90.3 sq. in
b. 74.7 sq. in d. 165 sq. in

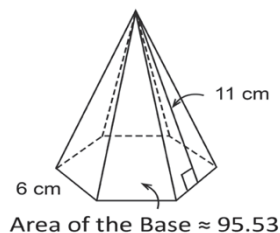


B. Find the surface area of the following. Write your solution and answer on box provided for each item on the next page. (Use $\pi = 3.14$)

1.



2.

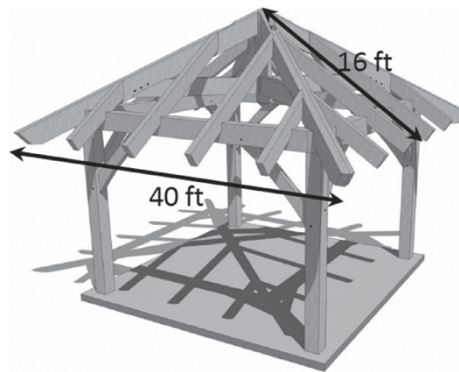


1.

2.

C. Read and analyze the problem then solve.

The roof of a house is in the shape of a square pyramid. If the slant height measures 16 ft and a side of the base measures 40 ft, how much material (e.g., iron sheets) is needed to cover the roof? (4 points)



Step 1:	Determine the given information (base, height, number of lateral faces).
Step 2:	Find the lateral area (LA) of the square pyramid.
Step 3:	State the answer in a complete sentence.