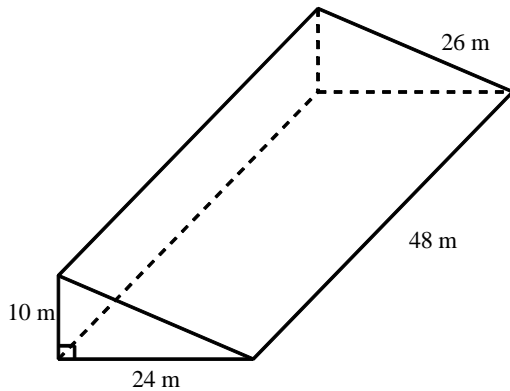


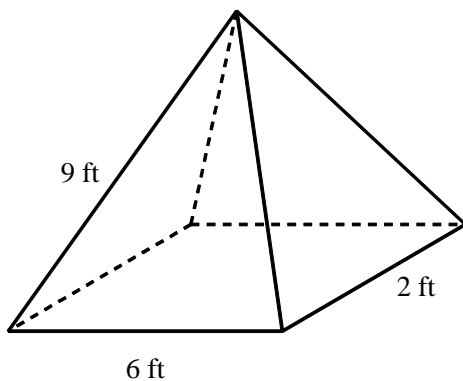
NAME: _____

1. Calculate the surface area of the right triangular prism.



- [A] 2880 m^2 [B] 5760 m^2 [C] 11520 m^2 [D] 3120 m^2

2. The designers of a float want to make a cone shape 4 ft in diameter and 6 ft high covered with roses. If it costs \$10 per square foot to cover the cone with roses, how much will the flowers cost?
3. Calculate the surface area of a square pyramid if the side length of the base is 4 cm and the slant height is 7 cm.
4. The pyramid shown has a rectangular base and faces that are isosceles triangles. Find the total surface area to the nearest tenth.



- [A] 203.6 ft^2 [B] 80.8 ft^2 [C] 84.0 ft^2 [D] 36.0 ft^2

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5. Compare the quantity in Column A with the quantity in Column B.

Column A

Column B

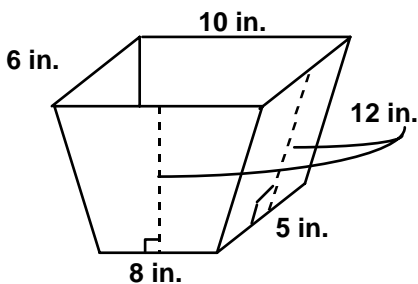
the surface area of a square prism with base edge 4 and height 5

the surface area of a square pyramid with base edge 4 and slant height 5

- [A] The quantity in Column A is greater. [B] The quantity in Column B is greater.
[C] The two quantities are equal.
[D] The relationship cannot be determined on the basis of the information supplied.

6. A florist makes a box for small orchids that is 15 cm by 15 cm by 15 cm. On one base, the box has three trapezoidal flaps. The flaps have longer bases that are 15 cm, shorter bases that are 13 cm, and are 2 cm high. How many square centimeters are used for each box?

7. Find the amount of material needed to cover the outside of the wastebasket shown below.



8. Find the surface area of the figure represented by the following foundation drawing made up of unit cubes.

4	5	
5	6	6
3	8	5

[1] D

[2] about \$397

[3] 72 cm²

[4] B

[5] A

[6] 1434 cm²

[7] 388 in.²

[8] 92 square units