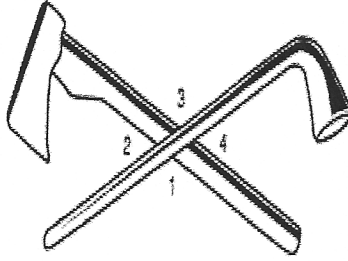


A

40) Name a pair of vertical angles.



A

41) If $m\angle A = 56.4^\circ$:

- a) What is the supplement?
- b) What is the complement?

A

42) Will the following side lengths make a triangle?
Explain why or why not.

- a) 9, 5, 13
- b) 10, 12, 2

A

43) Use a protractor and a ruler to construct a triangle with two adjacent sides and an angle of 55° between them.

Sides are 2.5cm & 4.5cm

A

44) Draw a parallelogram with an acute angle of 40° .

C

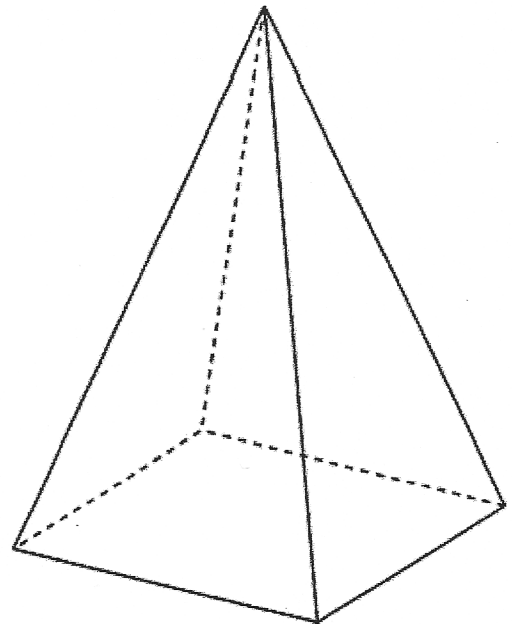
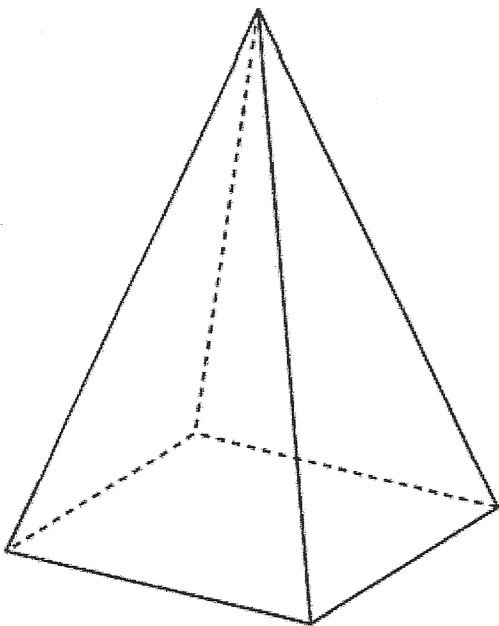
45) What is the range of side lengths that could make the 3rd side of a triangle given the sides 8 in. and 4 in?

B

46) Draw a cross section this pyramid when it is cut by the planes described below. Then tell what shape is produced.

a) Perpendicular to its base

b) Parallel to its base



B

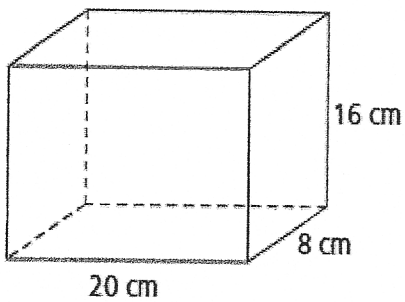
47) What is the base of a parallelogram with an area of 144 inches and height of 16?

B

- 48) A building has a roof made up in part by a square pyramid with a base area of 25 square feet and a height of 12 feet. What is the volume of the pyramid?

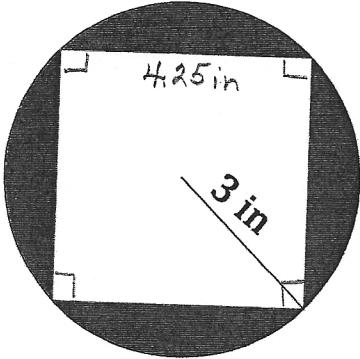
B

- 49) Find the surface area and volume of this prism.



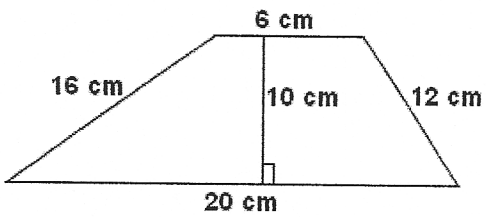
B

50) Find the area of the shaded region in the figure below.



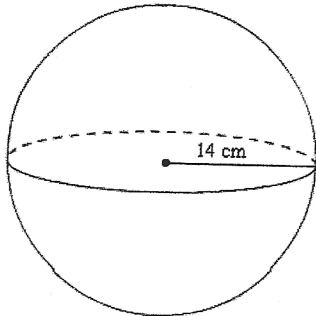
A

51) Find the area of the trapezoid below.



A

52) Find the surface area of the sphere.

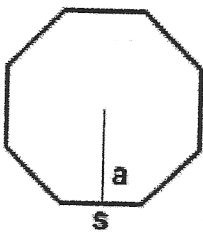


B

53) The volume of a cube is 125 cm^3 . Find the surface area. (Draw a picture to help you find the answer).

C

54)



$s = 7.5 \text{ cm}$

$a = 9.053 \text{ cm}$

Area: _____

Perimeter: _____

Type: _____