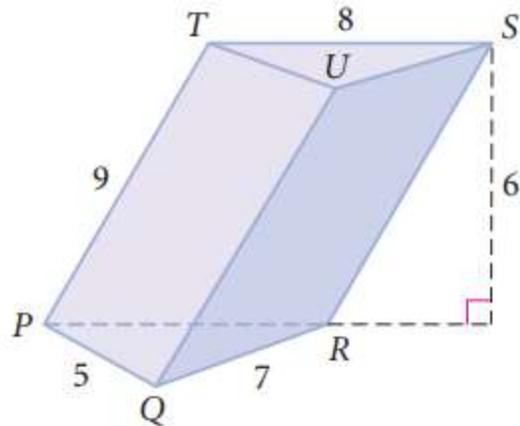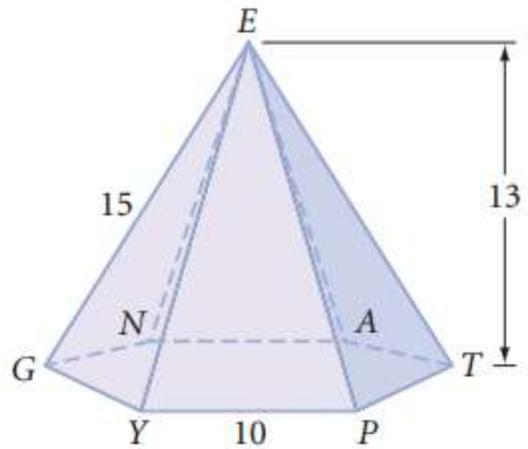**Refer to the figures to the right. All measurements are in centimeters.**

1) Name the bases of the prism.

2) Name all the lateral faces of the prism.

3) Name all the lateral edges of the prism.

4) What is the height of the prism?

5) Name the base of the pyramid.

6) Name the vertex of the pyramid.

7) Name all the lateral edges of the pyramid.

8) What is the height of the pyramid?

Draw and label each solid. Use dashed lines to show the hidden edges.

9) A triangular pyramid whose base is an equilateral triangular region (use proper marks to show that the base is equilateral.)

11) A cylinder with a height that is twice the diameter of the base (use x and $2x$ to indicate the height and diameter.)

10) A hexahedron with two trapezoidal faces

12) A right cone with a height that is half the diameter of the base

Match each real object with a geometry term. You may use a geometry term more than once or not at all.

13) Tomb of Egyptian rulers
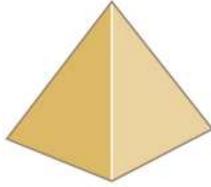
14) Honeycomb

15) Die

16) Stop sign

17) Holder for a scoop of ice cream

18) Wedge or doorstop

19) Moon

20) Can of tuna fish

21) Box of breakfast cereal

22) Book

23) Plastic bowl with lid
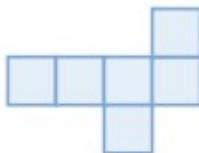
24) Pup tent

25) Ingot of silver

A. Cylinder
B. Cone
C. Square prism
D. Square pyramid
E. Sphere
F. Triangular pyramid
G. Octagonal prism
H. Triangular prism
I. Trapezoidal prism
J. Rectangular prism
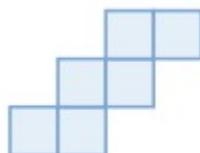K. Heptagonal pyramid
L. Hexagonal prism
M. Hemisphere

Complete.

26) Decide whether each net folds to make a box. Write yes or no next to each net.
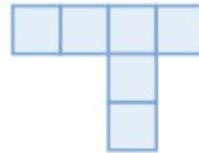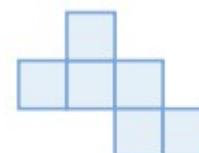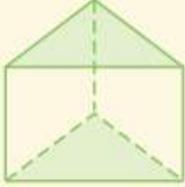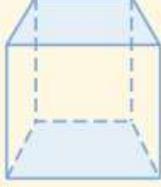
a.

c.

b.

d.

Complete the table below.

27)

	Triangular prism	Rectangular prism	Pentagonal prism	Hexagonal prism
Lateral faces	3			
Total faces		6		
Edges				18
Vertices			10	
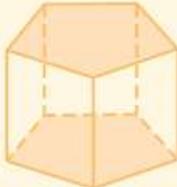
Identify each statement as true or false.

28) A lateral face of a pyramid is always a triangular region.

29) A lateral edge of a pyramid is always perpendicular to the base.

30) Every slide of a prism cut parallel to the bases is congruent to the bases.

31) When the lateral surface of a right cylinder is unwrapped and laid flat, it is a rectangle.

32) When the lateral surface of a right circular cone is unwrapped and laid flat, it is a triangle.

33) Every section of a cylinder, parallel, to the base, is congruent to the base.

34) The length of a segment from the vertex of a cone to the circular base is the height of the cone.

35) The length of the axis of a right cylinder is the height of the cylinder.

36) All slices of a sphere passing through the sphere's center are congruent.