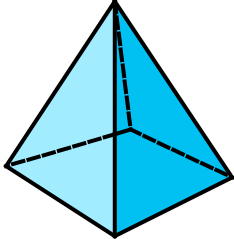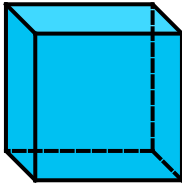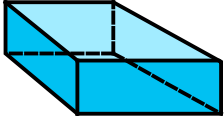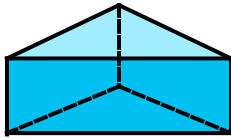# Nets: Skill 5 - 23A

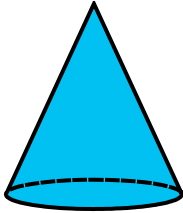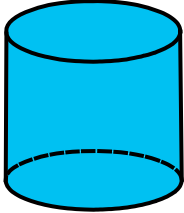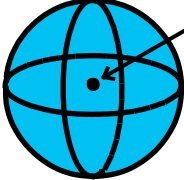## 3-Dimensional Figures: Polyhedrons

Test question answer at bottom of this page.

A polyhedron is a solid figure with flat faces. Each flat surface is a polygon.
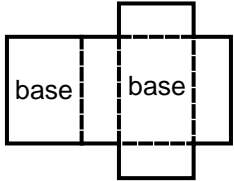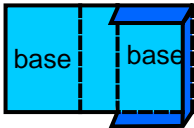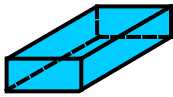
These solid figures are polyhedrons.

Square Pyramid

How many faces does a square pyramid have?

How many edges?

How many vertices?

Cube

How many faces does a cube have?

How many edges?

How many vertices?

Rectangular Prism

How many faces?

How may edges?

How many vertices?

Triangular Prism

How many faces?

How may edges?

How many vertices?

Curved Figures – These figures do not have flat surfaces. They are not polyhedrons.
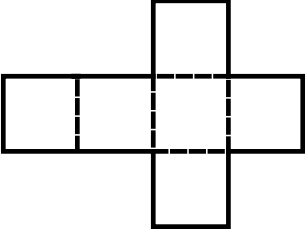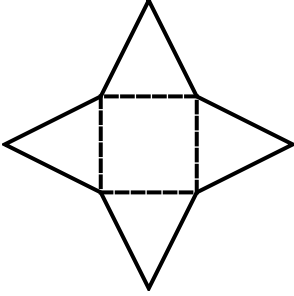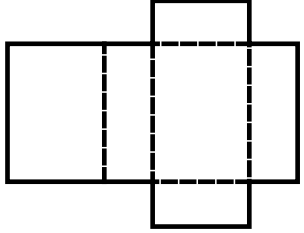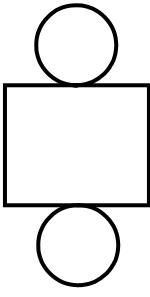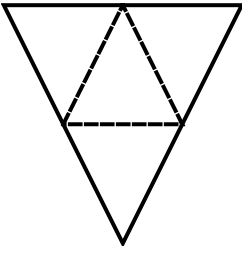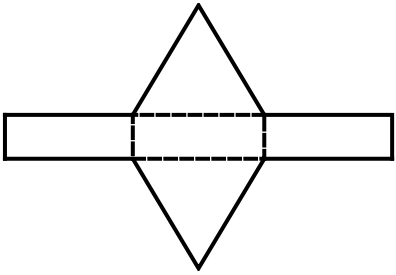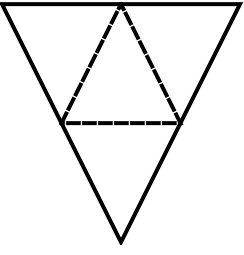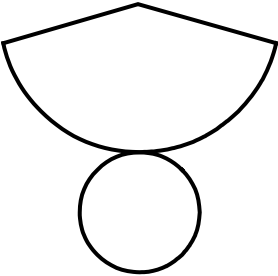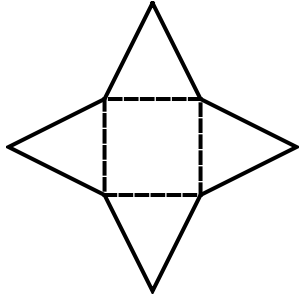
Cone

A cone has a flat circular base and one vertex.

Cylinder

A cylinder has two parallel bases that are congruent circles.

Sphere

Center

A sphere is a three-dimensional surface. All points on its surface are equidistant from the center.

Nets: a net is a two-dimensional pattern that can be folded into a three-dimensional figure.

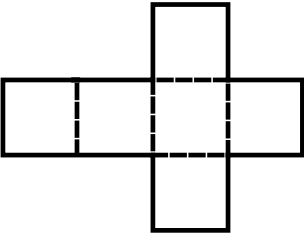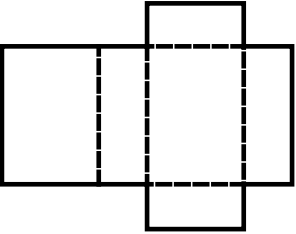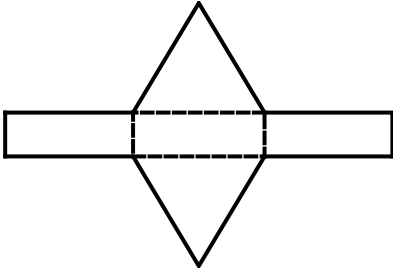What polyhedron with 6 faces can be made from this net?

base   base

Three sides are folded on the dotted lines

base   base

Fold along the remaining dotted lines to make a rectangular prism.

Nets: Skill 5 - 23A
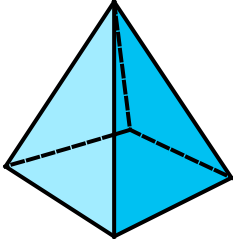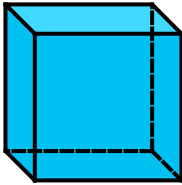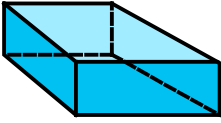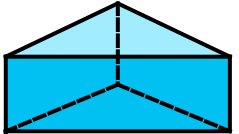
Directions: Name the three dimensional figure that each net will make.

1.	2.	3.
4.	5.	6.
7.	8.	9.
10.	11.	12.

Square Pyramid	Cube	Rectangular Prism	Triangular Prism
5 faces 8 edges 5 vertices	6 faces 12 edges 8 vertices	6 faces 12 edges 8 vertices	5 faces 9 edges 6 vertices

1. cube

2. square pyramid

3. rectangular prism

4. cylinder

5. triangular pyramid

6. triangular prism

7. triangular pyramid

8. cone

9. cube

10. rectangular prism

11. triangular prism

12. square pyramid