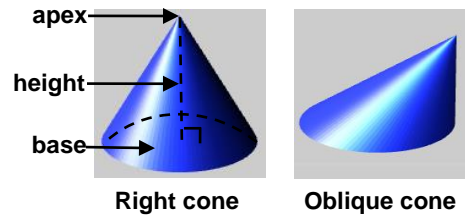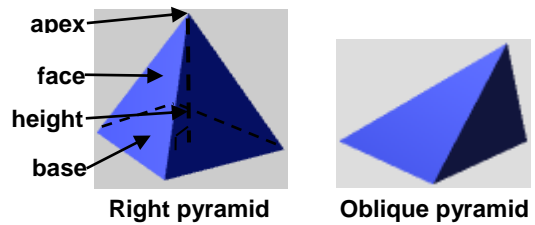# Vocabulary: Pyramids and Cones

📖 Vocabulary

- <u>Cone</u> – a three-dimensional figure with one circular base and a curved lateral surface that tapers to a point.

  - The point at the top of a cone is called the *apex*.

  - A cone that is straight up and down (apex directly above the center of the base) is *right*.

  - A cone that is skewed (tilted to one side) is *oblique*.

  Right cone   **Oblique cone**

- <u>Height (of a pyramid or cone)</u> – the perpendicular distance between the apex and the base.

- <u>Pyramid</u> – a three-dimensional figure with one polygonal base and lateral faces that are triangular.

  - All of the triangular lateral faces meet in one point called the *apex*.

  - The base of a pyramid determines its type.

    - For example, the figures to the right have square bases and are *square pyramids*.

  - A pyramid that is straight up and down (apex sits directly above the exact center of the base) is *right*.

  - A pyramid that is skewed (tilted to one side) is *oblique*.

  Right pyramid   **Oblique pyramid**

- <u>Volume</u> – the number of cubic units inside a three-dimensional figure.

  - For example, the volume of the solid shown to the right is 18 cubic units.