Chapter 12 – Two-Dimensional Shapes
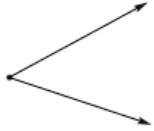
Angle - A figure formed by two rays or line segments that share an endpoint.

Example:

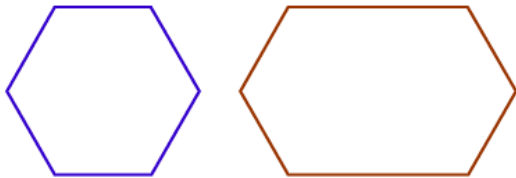**Closed shape** - A shape that begins and ends at the same point.

Examples:

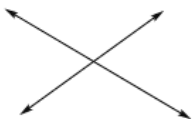
Endpoint - The point at either end of a line segment.

Hexagon - A polygon with six sides.

Examples:

Intersecting lines - Lines that cross.

Example:

Line - A straight path extending in both directions with no endpoints.
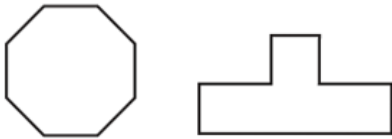
Example:

_____

Line segment - A part of a line that includes two points, called endpoints, and all the points between them.

Example:

_____

Octagon - A polygon with eight sides and eight angles.
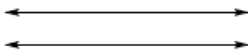
Examples:

_____

Open shape - A shape that does not begin and end at the same point.

_____

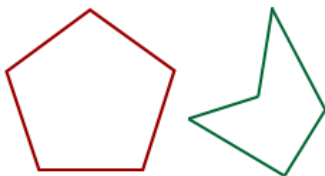**Parallel lines** - parallel lines

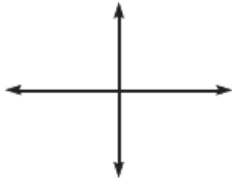Lines that never cross; lines that are always the same distance apart.

Example:

_____

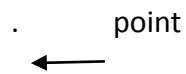**Pentagon** - A polygon with five sides and five angles.

Examples:

_____

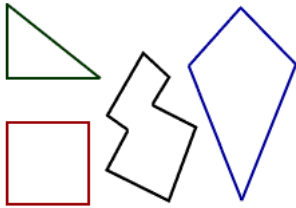**Perpendicular lines** - Lines that intersect to form right angles.

Example:

Point - An exact position or location
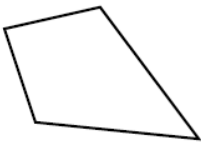
.   point

Polygon - A closed plane figure with straight sides that are line segments.

Examples:

Quadrilateral - A polygon with four sides and four angles.

Example:

Ray - A part of a line, with one endpoint, that is straight and continues in one direction.

Example:

Rectangle - A quadrilateral with 2 pairs of parallel sides, 2 pairs of equal sides, and 4 right angles
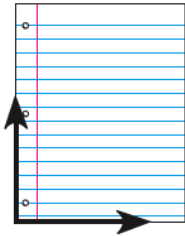

Rhombus - A quadrilateral with 2 pairs of parallel sides and 4 equal sides and four angles.

Example:

Right angle - An angle that forms a square corner.
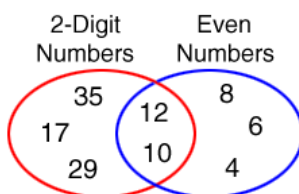
Example:

Square - A quadrilateral with 2 pairs of parallel sides, 4 equal sides, and 4 right angles

---

Trapezoid - A quadrilateral with exactly one pair of parallel sides and four angles.

Triangle - A polygon with three sides and three angles.

Venn diagram - A diagram that shows relationships among sets of things.

Example:

Vertex - The point at which two rays of an angle or two (or more) line segments meet in a plane figure or where three or more edges meet in a solid figure.

Example: