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# Native American Dwellings

# Math Engineering Lesson

— Vocabulary Cards —

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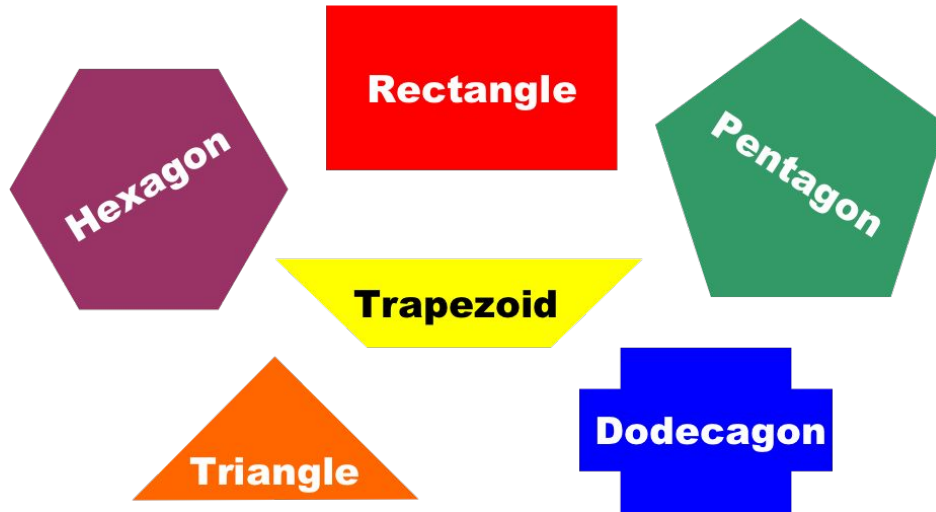
# Waaginogan

Waaginogan is a domed lodge, a *wigwam*.



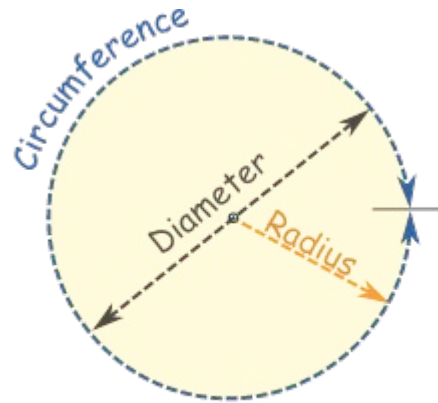
# Polygons

**Polygons** are plane (closed) figures with at least three straight sides and angles, and typically five or more.



# Circle

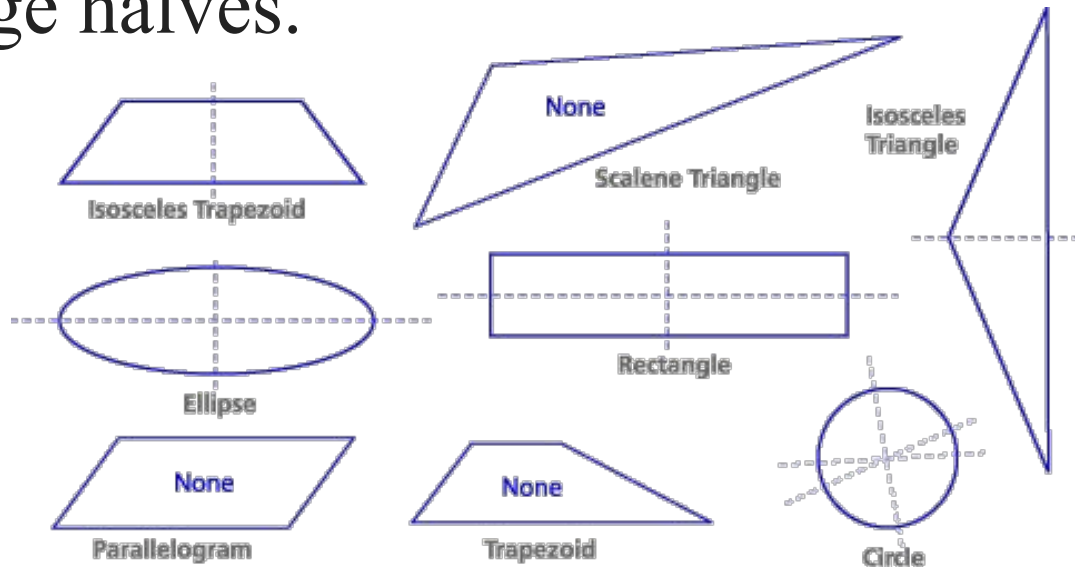
**Circles** are round plane figures whose boundary (*the circumference*) consists of points equidistant from a fixed point (the center).



$$\frac{\text{Circumference}}{\text{Diameter}} = \pi = 3.14159\dots$$

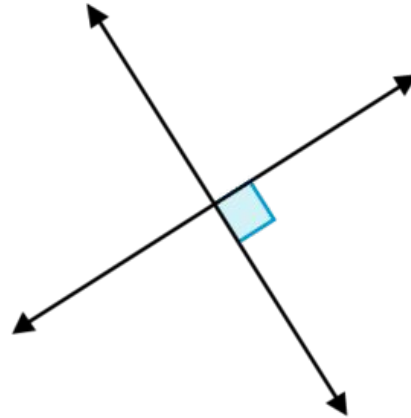
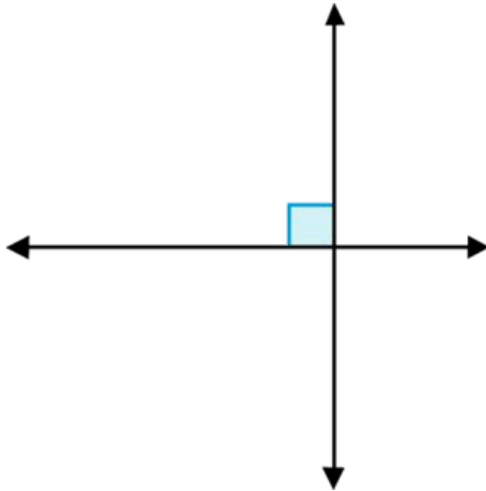
# Line of Symmetry

A **Line of Symmetry** divides a figure into two mirror-image halves.



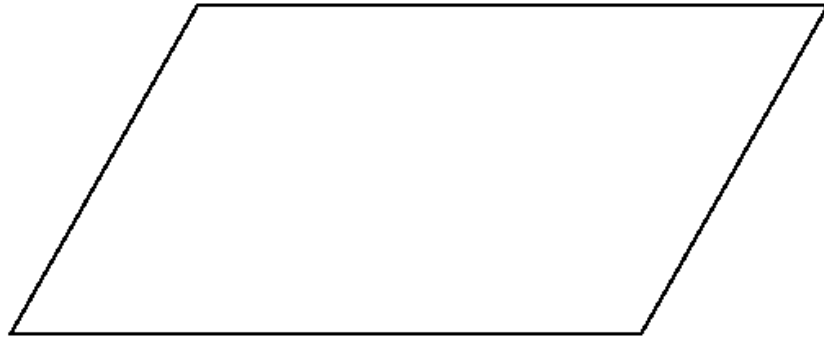
# Perpendicular Lines

**Perpendicular lines** are two lines that intersect at exactly 90 degrees (forms a right angle).



# Parallelograms

**Parallelograms** are four sided polygons with two pairs of parallel sides.



# Trapezoids

**Trapezoids** are four-sided polygons with **one pair** of parallel sides.

