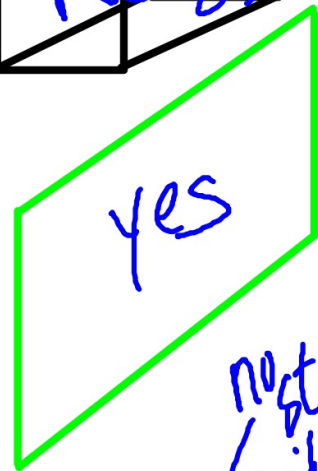
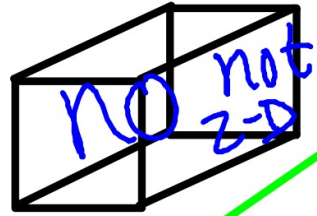


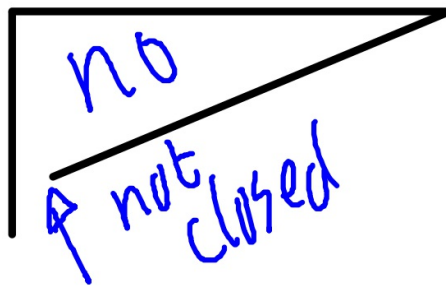
L18: Polygon

2-Dimensional (flat)

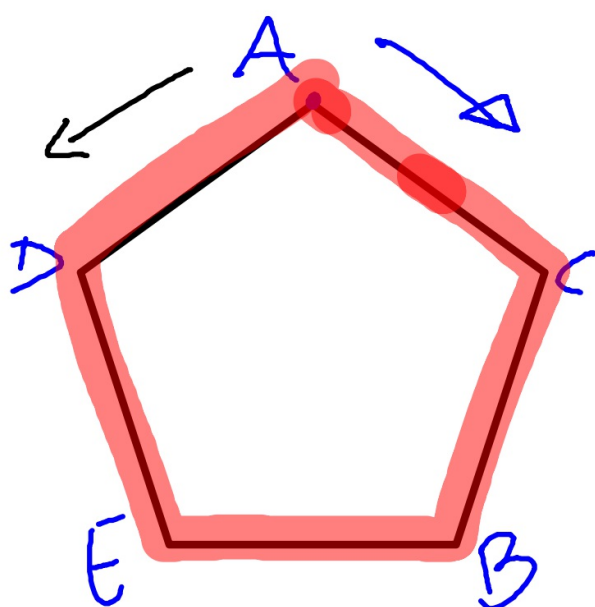
Closed
Straight sides



no straight
sides



# of Sides	Name	# of Sides	Name
3	triangle	8	octa-
4	quadrilateral	9	nona-
5	penta-	10	deca-
6	hexa-	11	undeca-
7	hepta-	12	dodeca-

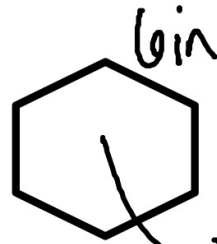


Pentagon
ACBED

AD EBC

REGULAR POLYGON

ALL SIDES ARE EQUAL IN
LENGTH



$$\frac{\text{Perim:}}{36\text{in}}$$

Regular
Hexagon

Similar Polygons

Corresponding sides are proportional

Corresponding angles are equal

Same shape
different size

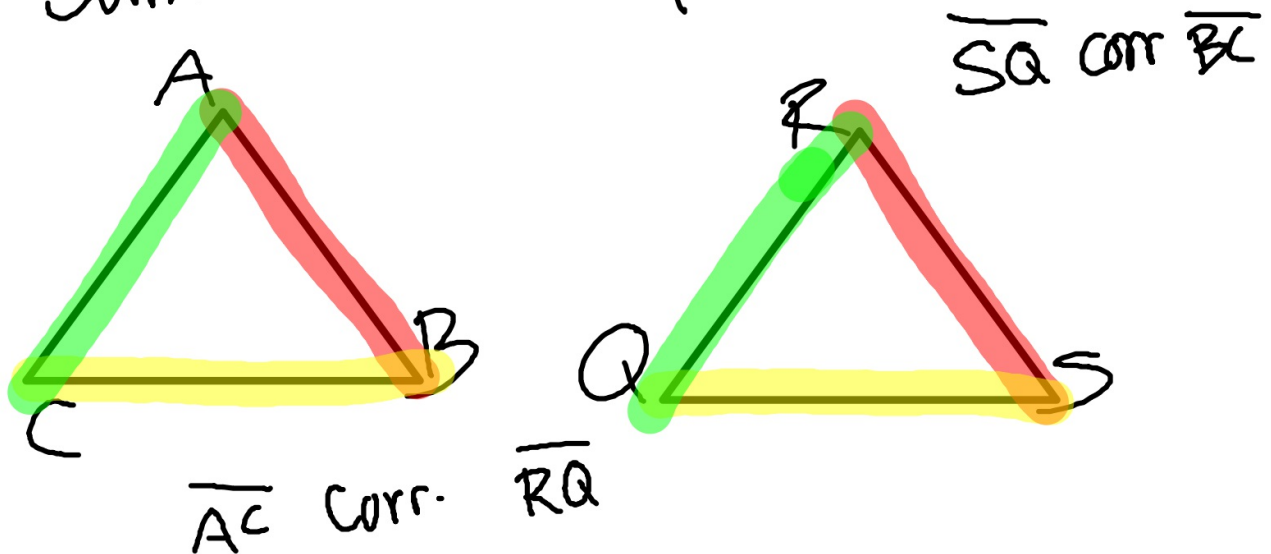
Congruent Polygons

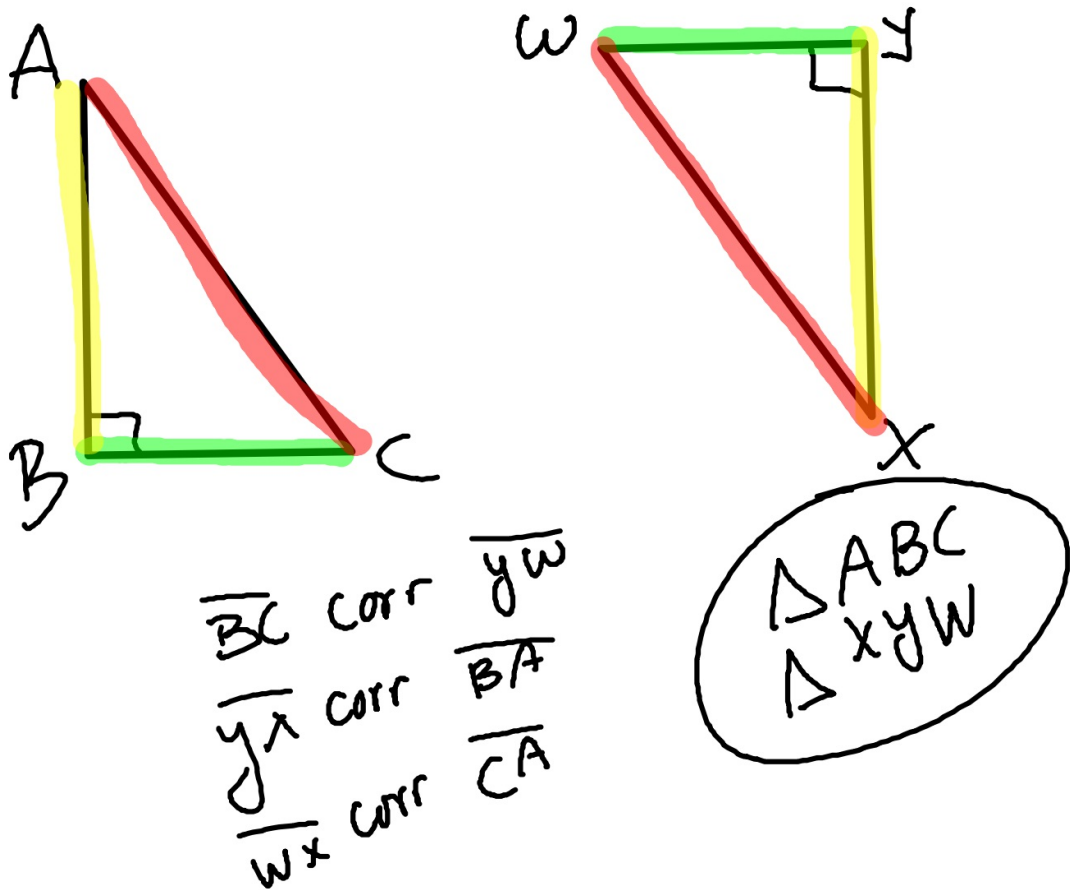
Corresponding sides and angles are equal.

Same shape
Same size

Corresponding

same relative position





L18 # 1-3, 6, 8-10, 12, 18-21, 27-29
 pset a-e, j.