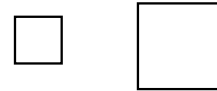
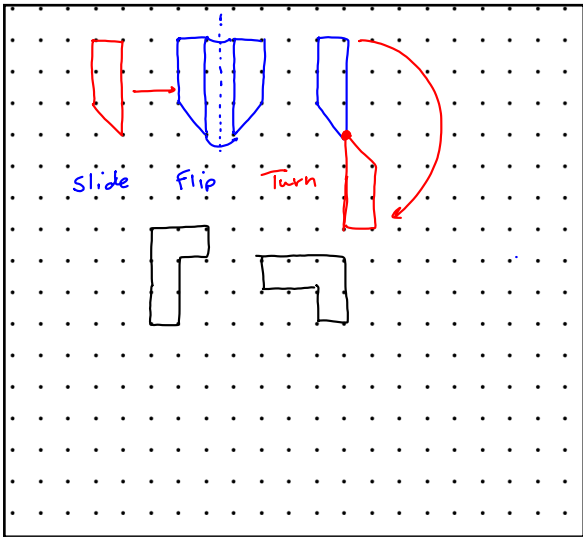


1.6 Working with Congruent Polygons

Polygon - closed figure with n sides and n vertices where each vertex is connected to only two sides

Congruent

- exactly the same
- sides same length
- angles same measure
- same shape



Same shape
same angles
sides not equal

Similar

Naming Polygons



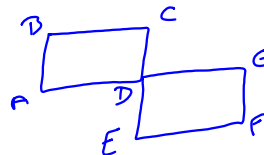
ABCD
BCDA
CDAB
DABC

Becomes important when we talk about congruent

$$ABCD \cong DEFG$$

$$ABCD \cong DEFG$$

A, D B, E C, F D, G



$ABCDEF \cong RSTUV$ A - R

$DEABC \cong UVRST$

each length gets a different variable

$A + 2B + 2C$

$2A + 3B + 4C$