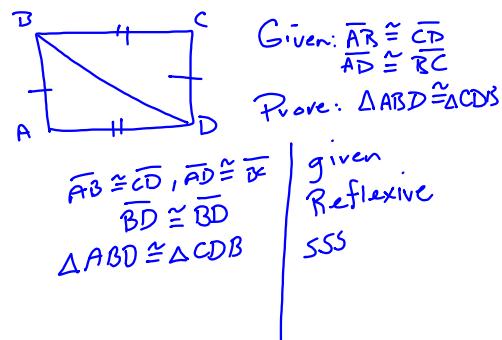
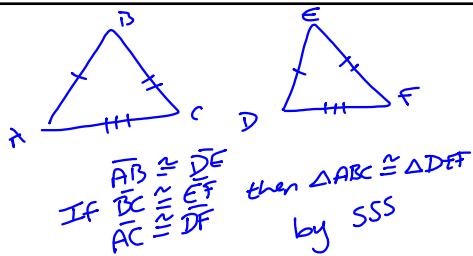


4.3 Proving Triangles are congruent by SAS and SSS

We said have to have
all 3 sides and all 3 angles
have to be known in
order to be congruent

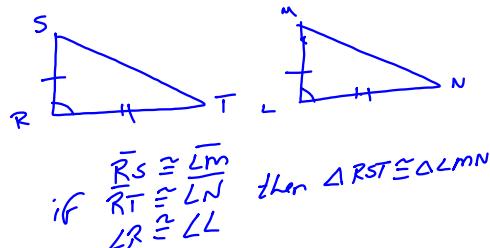
SSS Triangle \cong

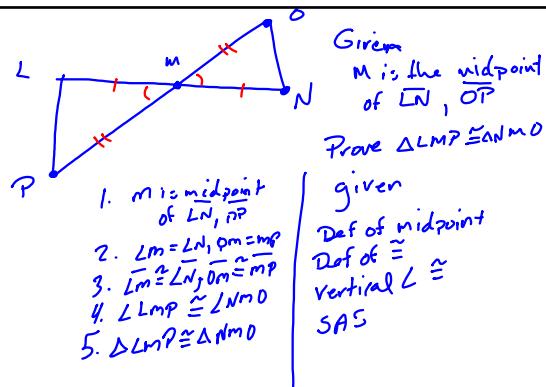
If three sides of one triangle
are congruent to the
corresponding sides of another
triangle then the triangles are \cong



SAS (Side-Angle-Side)

If two adjacent sides and
the included angle are \cong
to corresponding parts in
another triangle
then the triangles are congruent





Triangles in Coordinate Planes

Looking at SSS

$$\text{distance formula}$$

$$d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$$

P 216 - 219
2-36 even skip 32
due end of hour
Tomorrow