| 4 Proof Page (N13) |
|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| Description: | Description: | Description: | Description: |
| Two triangles are congruent if |
| two pairs of corresponding |
| sides and the pair of |
| corresponding angles between | corresponding angles between | corresponding angles between | corresponding angles between |
| the sides are congruent. |
| Description: | Description: | Description: | Description: |
| Two triangles are congruent if |
| two pairs of corresponding |
| angles and the pair of |
| corresponding sides between | corresponding sides between | corresponding sides between | corresponding sides between |
| the angles are congruent. |
| Description: | Description: | Description: | Description: |
| Two triangles are | Two triangles are | Two triangles are | Two triangles are |
| congruent if three pairs of |
corresponding sides are	corresponding sides are	corresponding sides are	corresponding sides are
congruent.	congruent.	congruent.	congruent.
Description:	Description:	Description:	Description:
Two triangles are congruent if			
two pairs of corresponding			
angles and a pair of			
corresponding sides not	corresponding sides not	corresponding sides not	corresponding sides not
between the angles are			
congruent.	congruent.	congruent.	congruent.
Description:	Description:	Description:	Description:
Two triangles are congruent if a			
pair of corresponding angles			
are right angles, a pair of			
corresponding legs are	corresponding legs are	corresponding legs are	corresponding legs are
congruent, and the pair of			
hypotenuses are congruent.	hypotenuses are congruent.	hypotenuses are congruent.	hypotenuses are congruent.
Description:	Description:	Description:	Description:
Two triangles are NOT			
NECESSARILY congruent if	NECESSARILY congruent if	NECESSARILY congruent if	NECESSARILY congruent if
two pairs of corresponding			
sides are congruent and pair of			
corresponding angles NOT	corresponding angles NOT	corresponding angles NOT	corresponding angles NOT
between the sides are			
congruent.	congruent.	congruent.	congruent.
Description:	Description:	Description:	Description:
Two triangles are NOT			
NECESSARILY congruent	NECESSARILY	NECESSARILY	NECESSARILY
if three pairs of	congruent if three pairs of	congruent if three pairs of	congruent if three pairs of
corresponding angles are	corresponding angles are	corresponding angles are	corresponding angles are
congruent	congruent	congruent	congruent

| 4 Proof Page (N14) |
|--|--|--|--|
| Description: | Description: | Description: | Description: |
| If three angles are the |
| angles of a triangle, then |
| the sum of the three |
| angles is 180° | angles is 180° | angles is 180° | angles is 180° |
| Description: | Description: | Description: | Description: |
| If lines are parallel then |
corresponding angles are	corresponding angles are	corresponding angles are	corresponding angles are
congruent.	congruent.	congruent.	congruent.
Converse: If corresponding	Converse: If corresponding	Converse: If corresponding	Converse: If corresponding
angles are congruent then lines			
are parallel.	are parallel.	are parallel.	are parallel.
Description:	Description:	Description:	Description:
If lines are parallel then			
alternate exterior angles are			
congruent.	congruent.	congruent.	congruent.
Converse: If alternate exterior			
angles are congruent then lines			
are parallel.	are parallel.	are parallel.	are parallel.
Description:	Description:	Description:	Description:
If lines are parallel then			
alternate interior angles are			
congruent.	congruent.	congruent.	congruent.
Converse: If alternate interior			
angles are congruent then lines			
are parallel.	are parallel.	are parallel.	are parallel.
Description:	Description:	Description:	Description:
If lines are parallel then same			
side interior angles are			
supplementary.	supplementary.	supplementary.	supplementary.
Converse: If same side interior			
angles are supplementary then			
lines are parallel.	lines are parallel.	lines are parallel.	lines are parallel.
Description:	Description:	Description:	Description:
If a triangle is isosceles, then			
the base angles are congruent.			
Converse: If a triangle has			
congruent base angles, then			
the triangle is isosceles.			
Description:	Description:	Description:	Description:
If two angles are vertical			
angles, then they are			
congruent.	congruent.	congruent.	congruent.