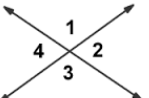
**Geometry UNIT 2 Check-off List of Understanding**

**For each item below, check off the item when you know you are able to do it.**

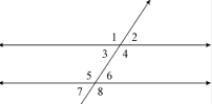


1] Justify the fact that angles 1 and 3

are congruent.

2] | . [a] Explain in words what this statement says AND what it means. Be specific about every item. [b] Justify the fact that any point on is equidistant from M and P. INCLUDE a DIAGRAM.

3] In the diagram at the right, lines m and n are each intersected

 by a third line. COMPLETE EACH STATEMENT.

[a] / 1 and ? are alternate ? angles. m

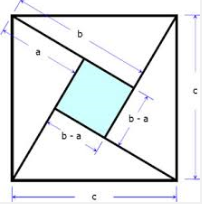
[b] / 5 and ? are alternate ? angles. n

[c] / 4 and / 6 are ? ? ? angles.

[d] What conditions must be met, so that m || n?

[e] Suppose m || n. Justify the fact that / 3 / 6.

4] The sum of the angles in any triangle is equal to a certain integer. Justify this fact and name the integer.



5] Use the diagram at the right to

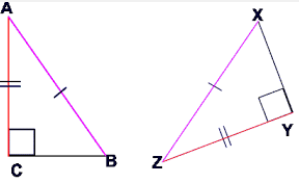
write a justification for the Pythagorean

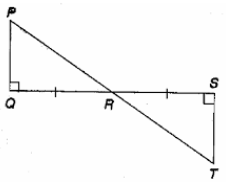
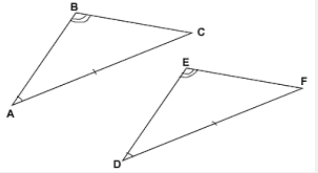
Theorem.

6] Which of the following guarantee that two triangles are congruent?

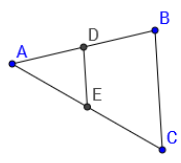
[a] Angle-Side-Angle [b] Angle-Angle-Side [c] Side-Side-Angle

7] Say whether each pair of triangles is congruent. If a pair is congruent, name the postulate or theorem that guarantees congruence.

[a] [b] [c]



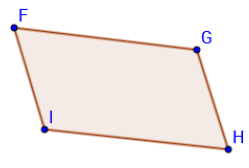
8] Justify the fact that the base angles of an isosceles triangle must be congruent.



9] In /\ ABC, D is the midpoint of and E is the midpoint of

What is the relationship between and ?

10] What special properties exist for a parallelogram? List as many properties as you can.

11] Suppose FGHI is a parallelogram.

Justify the following: [a] Opposite sides are congruent.

[b] Opposite angles are congruent.