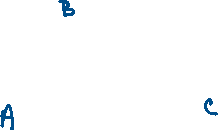
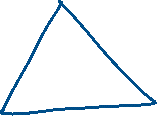
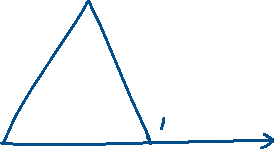
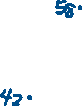
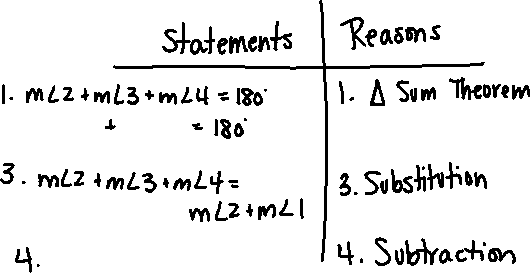
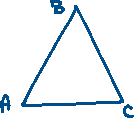
**Unit 5 – Proofs**

**Triangle Proofs**

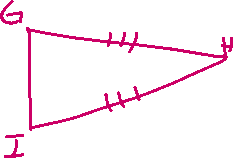
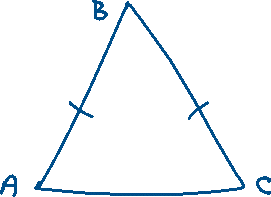
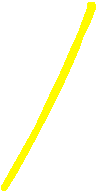
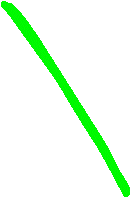
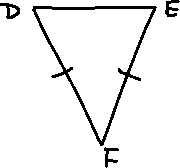
**Triangle Sum Theorem** – the interior angles of any triangle will always add to 180o.



**Exterior Angle Theorem** – an exterior angle of a triangle is equal to the sum of the two remote interior angles.



**Base Angle Theorem** - If two sides of a triangle are congruent, then the angles opposite those sides are congruent.



**Base Angle Corollary** - If two angles of a triangle are congruent, then the sides opposite those angles are congruent.

