

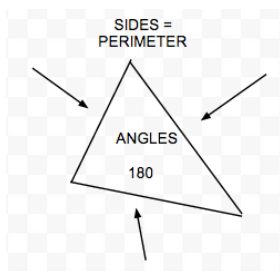
Unit 4: Tricks for Triangles

1. Discover relationships between sides and angles
2. Prove that triangles are congruent

VERTICAL angles are congruent

LINEAR PAIRS of angles add up to 180.

IF THERE ARE **PARALLEL LINES** marked...you will probably have to use the Z, C or F.



The **ANGLES** of a triangle add up to **180**

The **SIDES** of a triangle add up to **THE PERIMETER**.

REMEMBER, look for **LITTLE** triangles and **BIG** triangles and **OVERLAPPING** triangles because they ALL add up to 180.

In an **ISOSCELES** triangle, there are two congruent sides and two congruent angles. The odd angle out is the one that is **BETWEEN** the two congruent sides. The two angles that are **NOT** between the congruent sides are congruent.

You will have problems that seem difficult because you cannot find the missing angles easily...on problems like this start finding **OTHER** angles until you can work your way to the angles that you **NEED**.