Angle Sum Theorem

Note: Lines X and YZ are parallel.

- The measure of $\angle a$ is ______° because $\angle a$ and $\angle Y$ are _____________ ______________ angles.
- The measure of $\angle c$ is ______° because $\angle c$ and $\angle Z$ are _____________ ______________ angles.
- The measure of $\angle b$ must be ______° because $\angle a$, $\angle b$, and $\angle c$ are all ________________ ____________ and add to be ______°

**Proof:** The sum of the interior angles in a triangle is always equal to ______°.