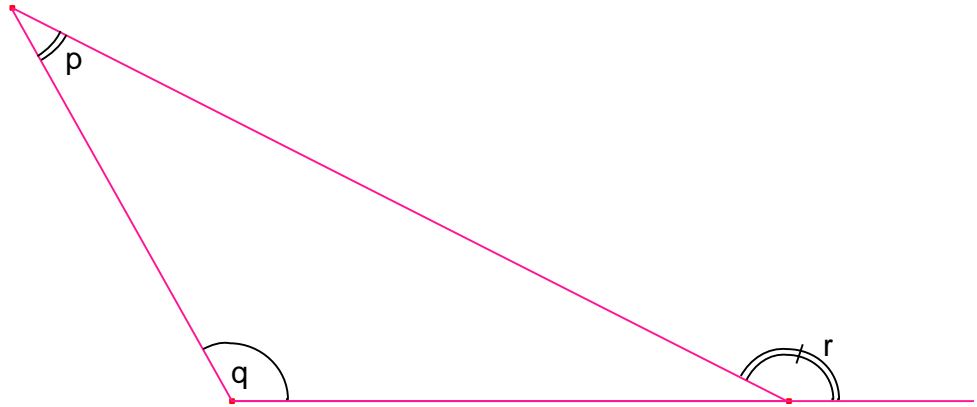


## Exterior and Interior Angles of a Triangle



1. Check that the exterior angle of a triangle is equal to the sum of interior angles at the other two vertices.
2. In other words check that  $r = p + q$
3. Can you prove the above fact? Hint: use the fact that the sum of the angles of a triangle is  $180^{\circ}$  which was proved elsewhere.