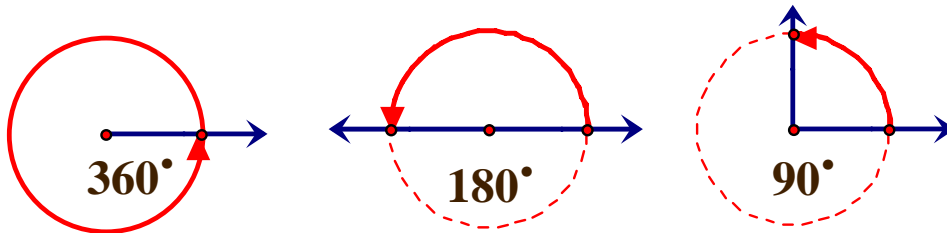


Geometry SOL Practice

Topic #3: Angles (general)

Notes

Angles are measured as a fractional amount of a full circle - 360°

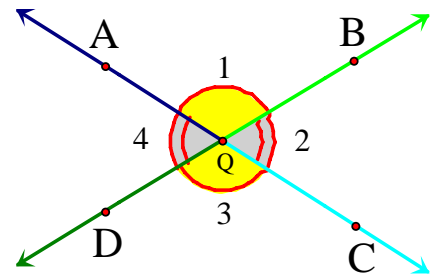


Terms:

- **Complementary:** Two angles whose sum is 90°
- **Supplementary:** Two angles whose sum is 180°

Angles form by Intersecting Lines:

- Vertical (opposite) Angles are Congruent.
 - $\angle 1 \cong \angle 3$, $\angle 2 \cong \angle 4$
- Adjacent Angles are Supplementary.
 - $m\angle 1 + m\angle 2 = 180^\circ$
 - $m\angle 2 + m\angle 3 = 180^\circ$
 - Ect.



Triangles:

- The sum of the angles of a triangle is 180° .
 - $m\angle 1 + m\angle 2 + m\angle 3 = 180^\circ$
- The exterior angle equals the sum of the remote interior angles.
 - $m\angle 4 = m\angle 1 + m\angle 2$
- Isosceles Triangles – base angles are congruent.
 - $\angle 5 \cong \angle 6$

