Angle Relationships

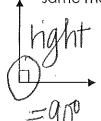
has two sides that share a common endpoint and is measured in units

The point where the sides meet is called the

Namina Anales:

This angle can be called < XYZ, ∠ZYX, or ∠Y. You must list the vertex as the center or simply call the angle by its vertex.

Classifying Angles: Angles are classified according to their measure. Two angles with the same measure are What I have a constant to their measure.



>900<18150

Two angles are COMPRMEN

_ if the sum of their angle measures is 90°.

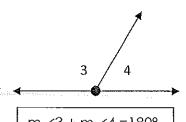


 $m \angle 1 + m \angle 2 = 90^{\circ}$

acute

40°

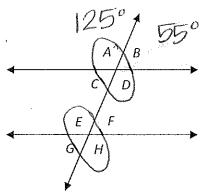
Two angles are <u>SUPPLMENTAM</u> if the sum of their measures is 180°.



$$m \angle 3 + m \angle 4 = 180^{\circ}$$

Vertical Angles: Angles that are formed by intersecting lines are congruent.

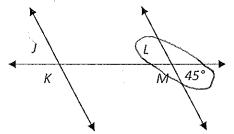
Apples to angles are congruent.



m/A + m/B are SUPPLEMENTAM.

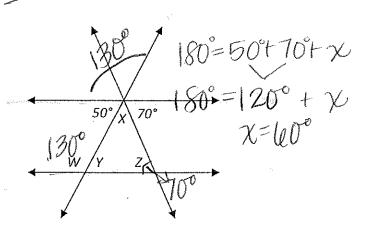
$$m \ge 55^{\circ}$$
, what is the m/A? 125° $180^{\circ} = 55^{\circ}$ A

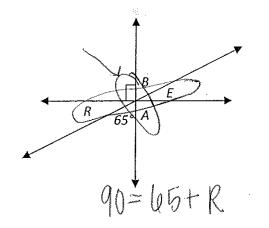
 $m \ge 55^{\circ}$ $m \ge 125^{\circ}$
 $m \ge 125^{\circ}$ $m \ge 125^{\circ}$



180°=M+45°

ORRESPONDING ANGLES





$$m < w | 30^{\circ}$$
 $m < x | 10^{\circ}$ $m < x | 50^{\circ}$ $m < x | 50^{\circ}$

$$m \ge B \frac{05^{\circ}}{90^{\circ}}$$
 $m \ge 25^{\circ}$ $m \ge R \frac{25^{\circ}}{25^{\circ}}$