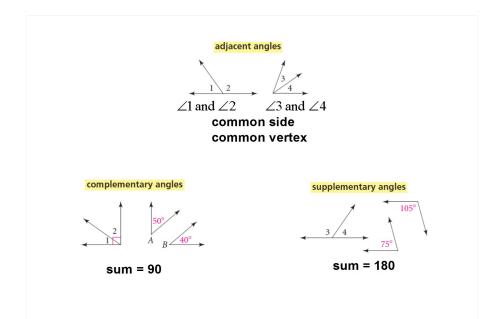
Launch:

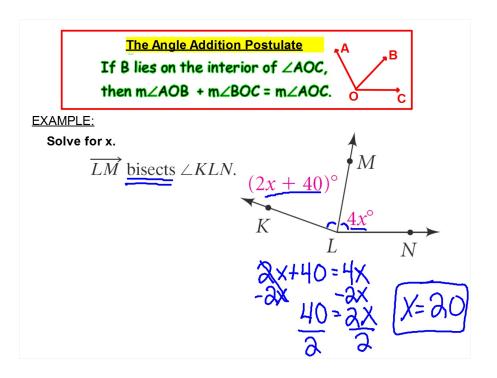
Solve for x

$$m \angle AOC = 139$$
 $X + (2x + (0) = 139)$
 $X + 2x + 10 = 139$
 $3x + 10 = 139$
 $3x = 129$
 $3x = 129$

2.7 (and a half) Reasoning in Algebra

Objective: To connect reasoning in Algebra and Geometry





The Segment Addition Postulate

If 3 points A, B, and C are collinear and B is between A and C, then AB + BC = AC

EXAMPLE:

B is the midpoint of \overline{AC} . Solve for y.

Homework: Reasoning in Algebra Worksheet