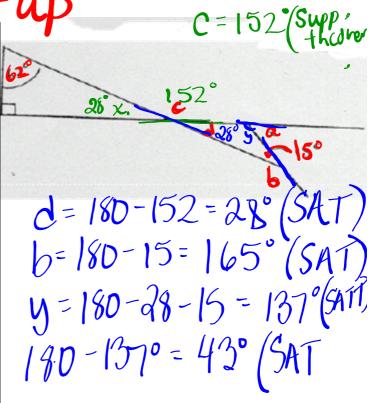


$$\frac{90^{\circ} = \chi + 3\chi + 3\chi}{6}$$

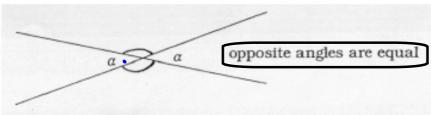
$$\frac{40^{\circ} = \chi \times \chi}{6}$$

$$\chi = 15^{\circ}$$



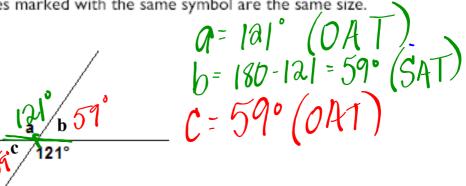
Opposite Angle Theorem...

When 2 straight lines cross, 2 pairs of opposite angles are formed. Opposite angles are equal in size

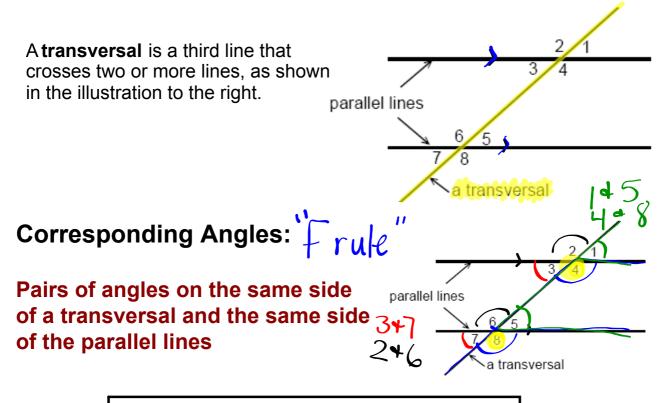


In geometry, angles or lines marked with the same symbol are the same size.

Example:



Parallel Line Theorems



CORRESPONDING ANGLES ARE EQUAL

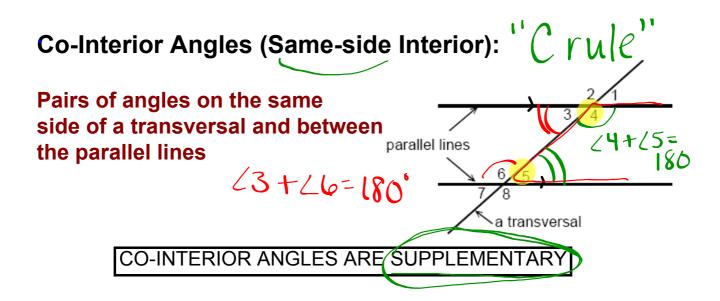
Pairs of angles on the opposite sides of a transversal and between the parallel lines

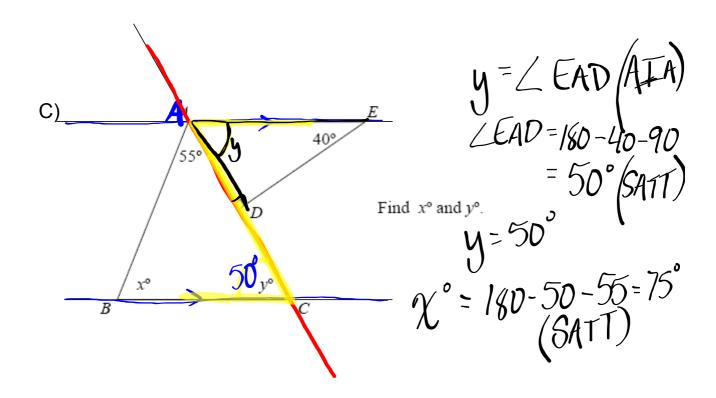
ALTERNATE INTERIOR ANGLES ARE EQUAL

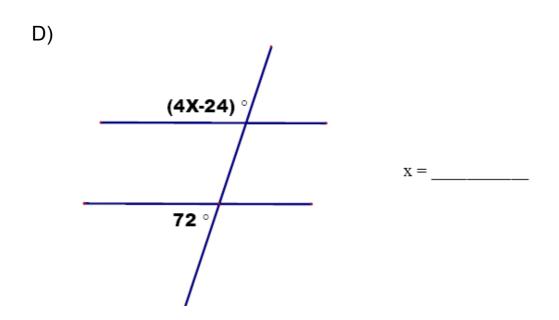
ALTERNATE INTERIOR ANGLES ARE EQUAL

L3 + 15 are equal

LH = 16







Homework

2 + 3 (middle section of same)

3 hen gth that we

Skipped last night.

Notes - Geometry Theorems.doc

Worksheet - Angle Properties.pdf

Worksheet Solutions - Angle Properties.pdf

Worksheet - Parallel Lines and Transversals.pdf

Worksheet Solutions - Parallel Lines and Transversals.pdf

In-Class Assignment - Parallel Lines and Transversals.pdf

7.4 - Build Your Skills Detailed Solutions.pdf