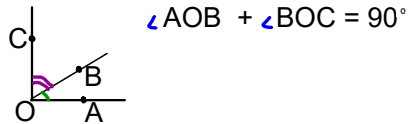
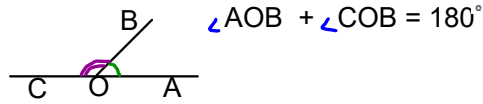


Angles

Complementary Angles → add up to 90°



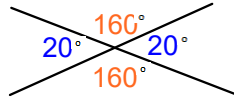
Supplementary Angles → add up to 180°



Vertically Opposite Angles



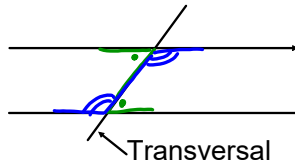
Two vertically opposite angles are equal



Alternate Interior Angles



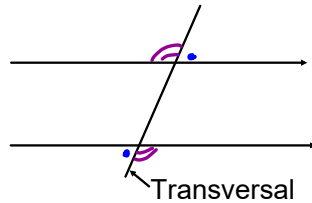
Alternate interior angles are equal on parallel lines.



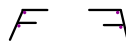
Alternate Exterior Angles



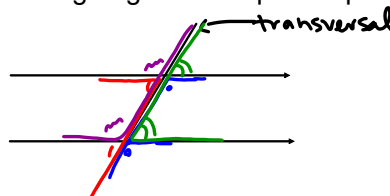
Alternate exterior angles are equal on parallel lines.



Corresponding Angles

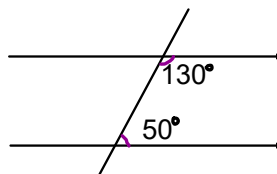


Corresponding angles are equal on parallel lines.



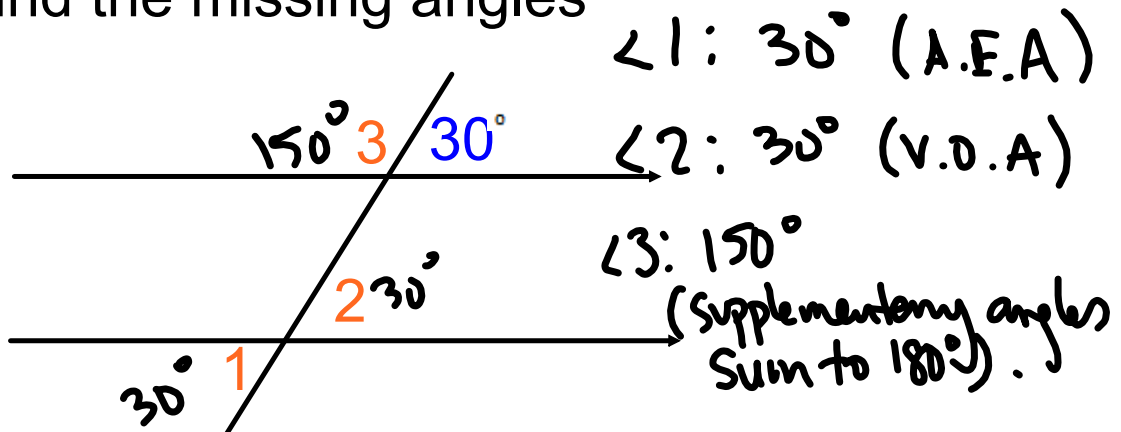
Interior Angles

When interior angles add up to 180° , the lines are parallel.

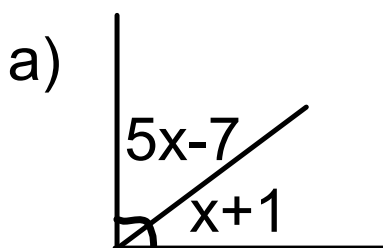


Examples:

1) Find the missing angles



2) Solve for x



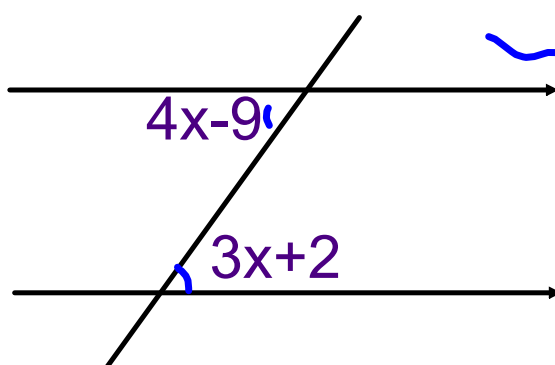
$$5x - 7 + x + 1 = 90^\circ$$

$$6x - 6 = 90$$

$$\frac{6x}{6} = \frac{96}{6}$$

$$x = 16$$

b)



$$4x - 9 = 3x + 2$$

$$x = 11$$

pg 106

Act #1 a) 1) $\angle AOC$ and $\angle DOB$
 $\angle AOD$ and $\angle COB$

2) Congruent = the same
 yes.

3) Supplementary angles

4)

