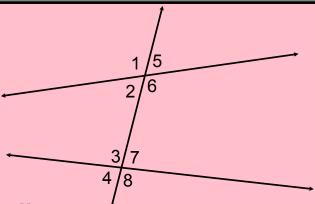
Bellwork 09/27/2011



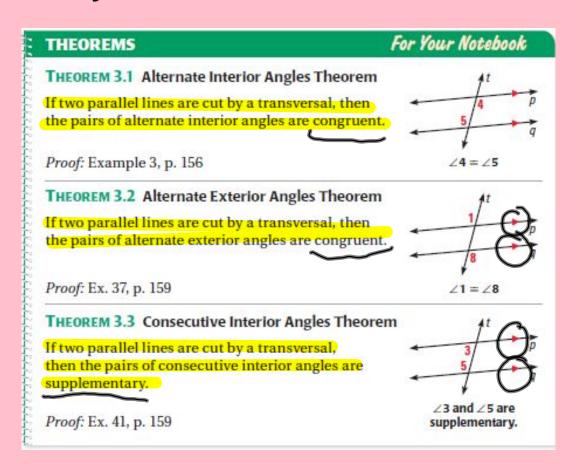
1. Name the pairs of corresponding angles.

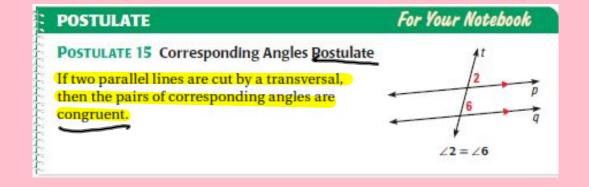
2. Name the pairs of alternate interior angles.

3. Name the pairs of consecutive interior angles. $\angle 2 + \angle 3 + \angle 7$

Geometry 3.2 Use Parallel Lines and Transversals Standard(s): 3,7

Vocabulary:





Identify Angle Measures

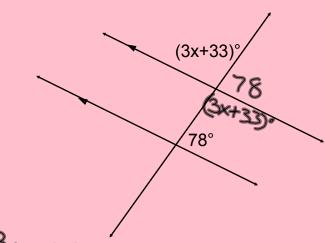
Find the measure of all the missing angles.

$$m_{2}1=125$$
 $m_{2}3=55$
 $m_{2}4=125$
 $m_{2}4=125$
 $m_{2}5=125$
 $m_{2}6=55$
 $m_{2}7=55$
 $m_{2}8=125$

Use Properties of Parallel Lines

(x-30)°

Find the value of x.



$$3x+111=180$$

-111 -111
 $3x=69$

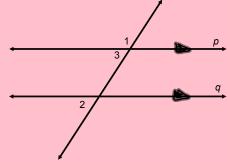
Prove Using Corresponding Angle Relationships

Prove that if two parallel lines are cut by a transversal, then the exterior angles on the same side of the transversal are supplementary.

Given: p||q

Prove: ∠1 and ∠2 are supplementary

Statements



<u> </u>	Reasons
1. p11 g	1. Given
2. ム3ぎ ム2	a. Corresponding & Post
3. m21+m23=180°	3. Def. of Supplementar
4. ML3=ML2	4. Def. of = X's
5. MLI +MLZ=180°	5. Judstitution Promoti
6. LI + La are	6. Def. of supplementary
6. LI & La are Supplementary	4'5

Homework Assignment

Worksheet 3.2B

