

Geometry BELL WORK

Find each angle measure.

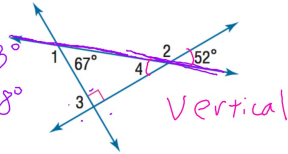
(Lesson 1-5)

5. $\angle 1 = 180 - 67 = 113^\circ$

6. $\angle 2 = 180 - 52 = 128^\circ$

7. $\angle 3 = 90^\circ$

8. $\angle 4 = 52^\circ$



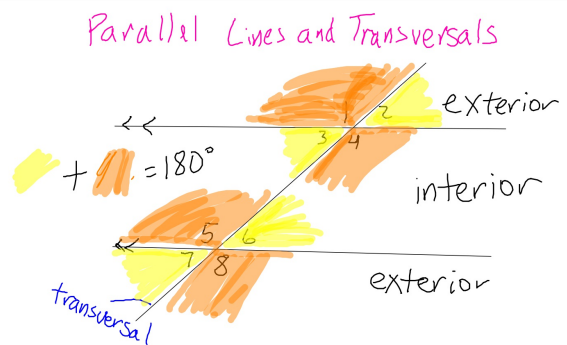
CHAPTER 3 Parallel and Perpendicular Lines

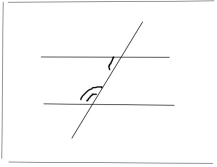
3-1 Parallel Lines and Transversals

Today we will:

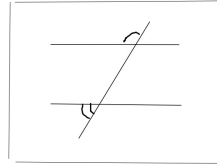
- * Identify the relationships between two lines or two planes
- * Name angle pairs formed by parallel lines and transversals

(G.CO.C.9 Congruence: Prove theorems about lines and angles)

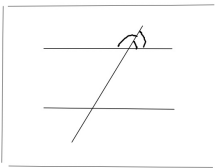




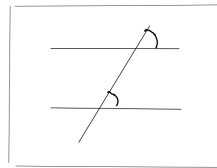
$\angle 3 + \angle 5 = 180^\circ$	consecutive interior angles (supplementary)
$\angle 4 + \angle 6 = 180^\circ$	



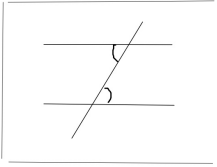
$\angle 1 + \angle 7 = 180^\circ$	consecutive exterior angles (supplementary)
$\angle 2 + \angle 8 = 180^\circ$	



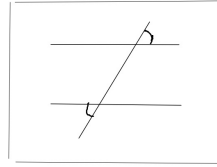
1+2	1+3	Linear Pair (supplementary)
3+4	2+4	
5+6	5+7	
7+8	6+8	



Corresponding angles (congruent)	$\angle 1 \cong \angle 5$
	$\angle 2 \cong \angle 6$
	$\angle 3 \cong \angle 7$
	$\angle 4 \cong \angle 8$



alternate interior angles (congruent)	$\angle 3 \cong \angle 6$ $\angle 4 \cong \angle 5$
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alternate exterior angles (congruent)	$\angle 1 \cong \angle 8$ $\angle 2 \cong \angle 7$
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