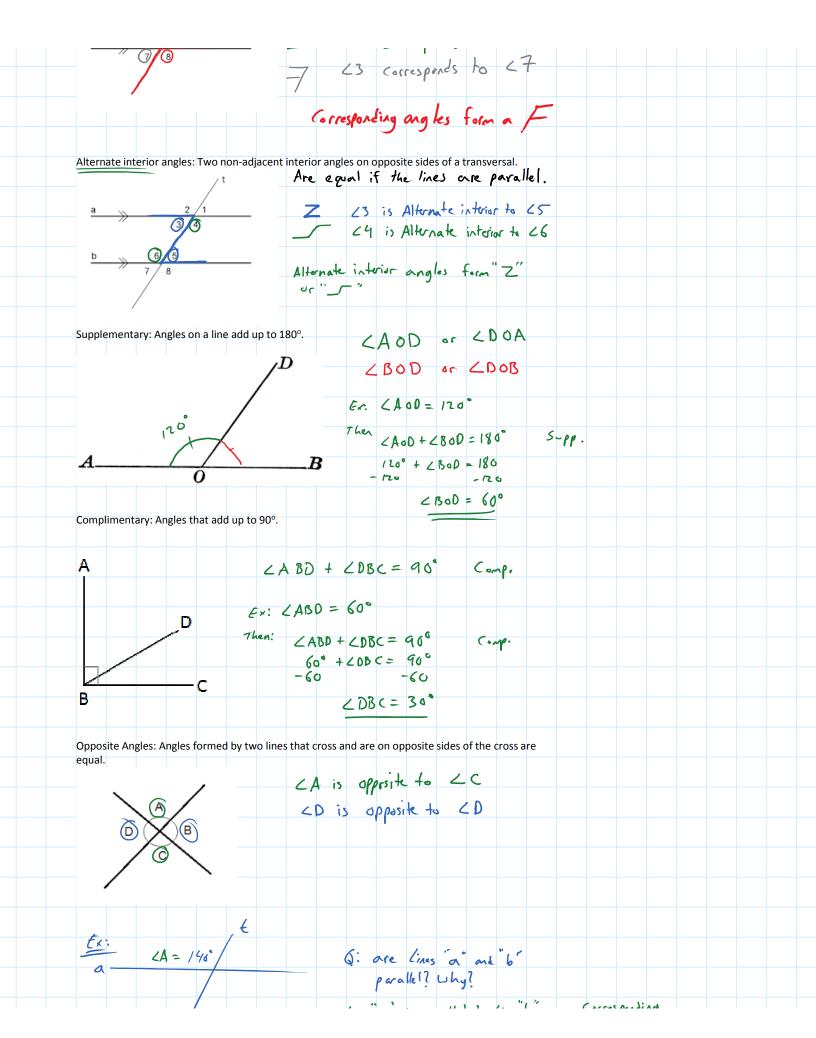
## Angles and Triangles September 26, 2016 7:59 AM Know these terms Transversal: A line that intersects two or more other lines at distinct points This is a transveral - Like a bridge that Connects two or more other lines Parallel: Two lines are considered parallel if they never cross, regardless of length. Denote parallel lines with matching NOT Parallel Not Parallel Parallel Interior angles: Any angles formed by a transversal and two parallel lines that lie inside the parallel 3,4,6,5 are interior angles 23 Curite angles like 25 Sthis in an equation Exterior angles: Any angles formed by a transversal and two parallel lines that lie outside the parallel 41, 62, 23, 64 Are the exterior angles Corresponding angles: One interior angle and the one exterior angle that are non-adjacent and on the same side of a transversal. Corresponding angles for parallel lines are always equal. I CZ corresponds to C6 E C4 Corresponds to C8 E C1 Corresponds to C5 T C3 corresponds to C7



4 - ' ' '	y. The times of one o
	parallel? why?
6 - 146°	(me"a is parallel to line"b" - Corresponding
40/40	erval
	Q: what is LD and LC and give your reason.
<u> 4</u>	LC= LB= 140° - OPP.
<u> </u>	< 0 = 40° - 50000 math
	\[   \sigma 0 = 40^\circ - \script.   \]   \[   \sigma \text{2B} + \script 0 = 180 \script.   \]
	160 + 60 = 180
	-140 -140 CD=46°
Ex:	CB/LA=39° Q: Are these lines par alle! Uhy?
9	(1) / LASS Q. ARC THESE TIMES par alle).
	CE 13 Supp to CH
	LE /CF 180°-139°= CF
b <del></del>	LO /CH=1390 410= CF
	∠A Corresponds to ∠F
	$\angle A \Rightarrow \angle F$
	\( \frac{1}{2} \)     \( \frac{1}{2} \)    \( \frac{1}{2} \)     \( \frac{1}{2} \)     \( \frac{1}{2} \)     \( \frac{1}{2} \)     \( \frac{1}{2} \)     \( \frac{1}{2} \)     \( \frac{1}{2} \)     \( \frac{1}{2} \)     \( \frac{1}{2} \)     \( \frac{1}{2} \)     \( \frac{1}{2} \)     \( \frac{1}{2}
	13 not parallel to line 6
Practice	Problems Pg. 72 Q: 1-6
1/2	a carresonding angles are payal for parallel !
1/2 3/4 5/4 77/8	Corresponding angles are equal for parallel lins $41 = 25  22 = 26  23 = 27  24 = 28$
5/4	
/ <del>7</del> /8	Alternate interior angles are equal for parallel lines
	23=26 24=25
	& Supplementary angles add to 180°

							_	1+6	2=	180°		26	+6	Q =	/85°	e	eti.			
								al:	a. f.		<i>a.</i>	6.6	_ 1	1 4		910				
					7		, a	م ا ام ط	-	9	ing	1	010	C 1	O	10				
							7	פ		α +	+ 2	b= 0	70°							
					مو	م د		, ~	s cala		h 100		اس ه	15	eq-	al.				
					*		1 -	-	·yu	) /7	- /	3	Ž	6=	27	7	۷5	= (	8	
						۷	1-	<u> </u>												