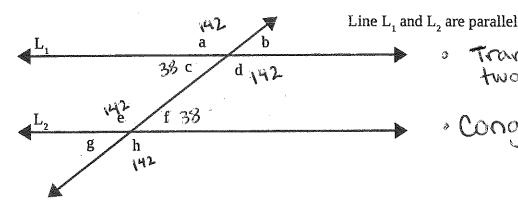
Parallel Lines and Transversals



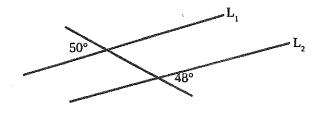
transversal crosses two or more lines.

· Congruent = Some / Equal

Name a pair of	Measure them	Rule
Vertically Opposite Angles	ce = 142°	Vertically Opposite
Le, Lh	<h=142"< td=""><td>Angles are Congresent</td></h=142"<>	Angles are Congresent
Alternate Interior Angles Z	∠C = 38°	Alternate interior L's
LC LF	∠f=38°	ore congruent (foralle)
Alternate Exterior Angles	La= 142°	Alternate exterior 2's
La Lh	Lh= 142°	ar congrest (famillel)
Corresponding Angles	<9 = 38°	Corresponding 2's
29 2 c	cc = 38°	are congruent (Parallel
Interior angles on the same side of the transversal	2 Zd = 142° } 180°	Int. 2's on some side of transversal
2d 2f	4f = 38° 5'00	are supplementary floral
Exterior angles on the same side of the transversal	La= 142° 2180°	Ext 2's on some
	49 = 38° 5'00	or supplementing (Grall
La 29 7	7 30 1	ac supplementant 4

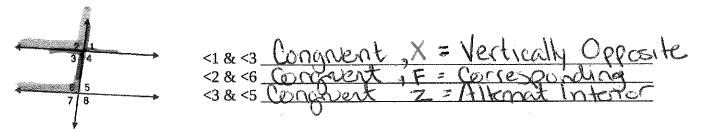
21: 46 are opposite 46= 1200

Lb = 2 are supplementary Z2 = 60°

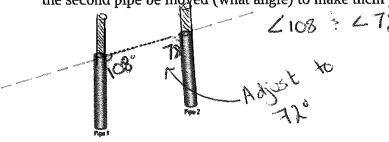


Are L₁ and L₂ parallel? Explain how you know.

250° : 248° are alternate exterior ongles inust be congrued when lives one parallel. In the diagram below, the two lines crossing the transversal are parallel. State the relationship between the pairs of angles and the relationship of their angle measurements.



The diagram below shows two pipes that are vertical but not yet parallel to each other. How much must the second pipe be moved (what angle) to make them parallel? Show your calculations.



2108: 278 interior engles on some side as transversal.

Lo Supplementary when poles are parallel.

In the diagram below, the side of the house and the side of the attached shed are parallel. What are the measures of <1 and <2?



In the diagram below, the two lines, l_1 and l_2 are parallel. What are the measures of the three angles indicated? Explain your answers.

