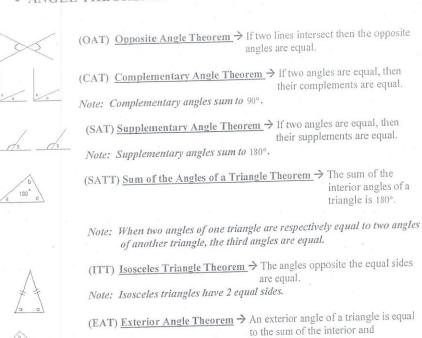
GEOMETRY THEOREMS...

ANGLE THEOREMS:



TRANSVERSAL PARALLEL THEOREMS:

(AIA) Alternate Interior Angles → When a transversal intersects a set of parallel lines, the alternate interior angles are equal.

Note: "Z" pattern

(CA) Corresponding Angles → When a transversal intersects a set of parallel lines, the corresponding angles are equal.

Note: "F" pattern

(CIA) Co-Interior Angles → When a transversal intersects a set of parallel lines, the co-interior angles sum to 180°.

Note: "C" pattern

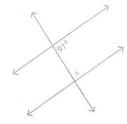
non-adjacent angles.

Name:	_
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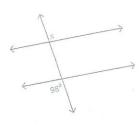
Score:

Alternate & Same Side Angles

Find the value of x.

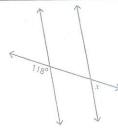


$$\chi =$$

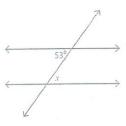


$$\chi =$$

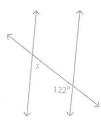
3)



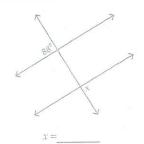
4)

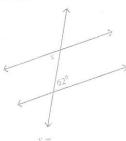


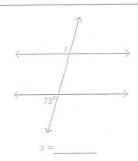
$$x =$$



$$x =$$







Name	W.		
IVGILLE			

Angles in Transversal

Easy: S1

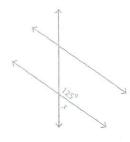
Find the value of x.

1)



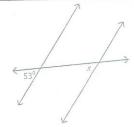
$$x =$$

2)



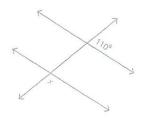
$$\chi =$$

3)



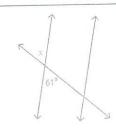
$$\chi =$$

4)

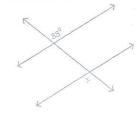


$$\chi =$$

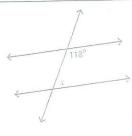
5)



6)

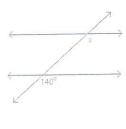


7



x =

8)



x = x

Basic Angles Rules Practice

For each question find the missing angle and give a reason for your answer. (Don't forget to show your working!)

		1	Total to 2110 M April Mourille.				
1.	a* / 50°	2.	135	3.	72 a 154		
4,	35 82 d	5.	115 e	6.	120 \b"		
7.	30° C°	8.	25 d	9.	83° d'		
10.	b" 140"	TT.	c 76 87	12.	130°/d°		
13.	e*/	14.	136 97"	15.	52° e 86° k		
16.	60° a	17.	45" a"	18.	70°		
Challenge Questions Give reasons for every angle!							
19.	1 84 m 47	20.	a 70"	21.	n o		
22.	0 d	23.	1 h h h	24.	9 64 f		
25.	58 8 117	26.	\(\frac{\sqrt{\sq}}}}}}}}}}\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sq}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}	27.	76 g F		