Geometry Regents Lomac 2015-2016   Date 10/26   due 10/27   Angles: 360, 180, and vertical   3.1						3.1R		
Name LO:	l can i relatio	dentify <b>angle relationships</b> nships to solve for unknowr	s involving adj 1 values .	Per acent and vertic	al angles and u	se the		
	NOW	On the back of this packe	t					
[] (1)	Need What	to Know: Angles at a poin do we know about angles al ] (a) The number of degrees	t or on a line ready? around a poi	nt is	(•)	at bt ct d=	*	
		] (c) The number of degrees	in a <b>straight</b>	angle is		← c/d	•	
	(d) Two adjacent angles that form a line are called a linear pair $\checkmark$ The sum of two angles on a straight line is $c + d =$ The angles are also called $c + d =$							
		(d) Vertical angles are acr Vertical angles are alw	oss from each /ays	other when 2 li	nes intersect.	a d c	*	
						a = b =		
(2) transparen cies, dry erase markers	<b>Angle</b> Use w solve i	<b>Angles: Using relationships</b> Use what you have stated in problem number 1 to find the measure of each unknown angle. Write an equation and solve it.						
erasers	🗌 (a)	Determine the measure of	angle g.		🗌 (b) Deter	mine the measure of angle f.		
		133° g 147°				72° f		
	m∠g∶	=because		m∠f	=beca	use		

#### (3) Angles: Using Relationships

Use what you have stated in problem number 2 to find the measure of each unknown angle. Write an equation and solve it.



(3) Angles: Use relationships to solve problems

Identify a relationship, write an equation or equations, solve for each variable.

# 



с =	 because	



# (4) Angles: Use relationships to solve problems

Identify a relationship, write an equation or equations, solve for each variable.

## [] (f)





🗌 (h)



## (5) Exit Ticket

ON THE LAST PAGE



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### Homework

Identify a relationship, write an equation or equations, solve for each variable.





# (6) Homework pencil Identify a rel

Identify a relationship, write an equation or equations, solve for each variable.





Exit Ticket	Name		Date	Per	3.1R
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(1) The LO (Learning Outcomes) are written below your name on the front of this packet. Demonstrate your achievement of these outcomes by doing the following:

Find the measures of a, c and x. Identify a relationship, write an equation, and solve for the variable.





DO NOW	Name	_Date	_Per	3.1R
(1) We have o	liscussed 5 types of angles. List the 5 types of	angles and make a	sketch for each. (these are in your not	ies)

(2) What is meant to be interesting about the diagram below?

