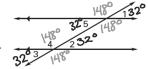
Angles - Short Cut Sheet	
Linear Pairs	Supplementary
Vertical Angles	Congruent
Alternate Interior	Congruent
Alternate Exterior	Congruent
Corresponding	Congruent
Consecutive Interior	Supplementary

- * If Congruent: Set equal to each other and solve for x.
- If Supplementary: Add together and set equal to 180. Then solve for x.
- HINT: If both angles are acute or both angles are obtuse, they are equal.
 - If one angle is big and one is little, they are not equal which means they are supplementary.

Page 3

Using Properties of Parallel Lines cut by a Transversal:

Use properties of parallel lines to find the angle measures given $m \angle 1 = 32^{\circ}$. State your reasoning.



- 1. m∠2
- 2. m∠3
- 3. m∠4
- 4. m∠5

Page 4

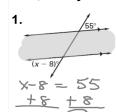
Using Properties of Parallel Lines cut by a Transversal: You Practice:

Use properties of parallel lines to find the angle measures given $m \angle 6 = 67^{\circ}$. State your reasoning.

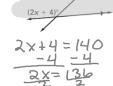
- 1. m∠7
- 2. m∠8
- 3. m∠9 1120
- 670 4. m∠10
- 1130
- 5. m∠11
- (070 6. m ∠12
- 7. m∠13

Page 5

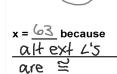
Using Properties of Parallel Lines cut by a Transversal: Use properties of parallel lines to find the value of x. Also, state your reasoning.

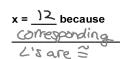


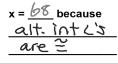




3.

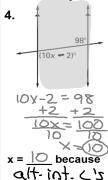






Page 6

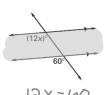
Using Properties of Parallel Lines cut by a Transversal: Use properties of parallel lines to find the value of x. Also, state your reasoning. You Practice:



5.



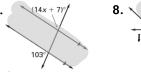
x = 12 because

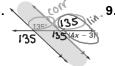


x = 5 because corresponding

L5 are ≥

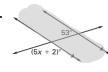
Also, state your reasoning. (14x + 7)135





Using Properties of Parallel Lines cut by a Transversal:

Use properties of parallel lines to find the value of x.



MX+7 + 103=180

x = 5 because

same side ext

L's are supp

x = 12 because

because

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