<u>Topic:</u> Parallel Line Angles   <u>Date</u>: _____

<u>Learning Objective(s)</u> _____ :

_____

_____

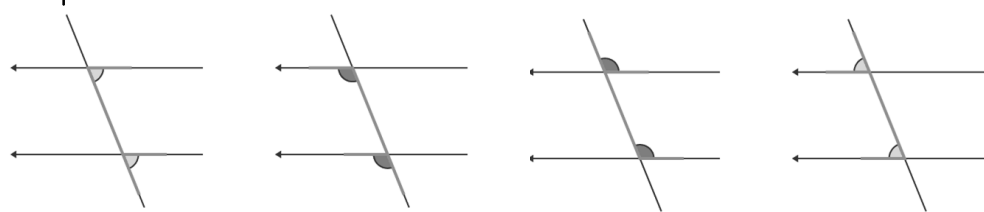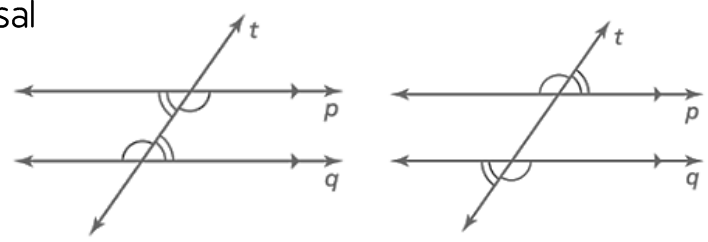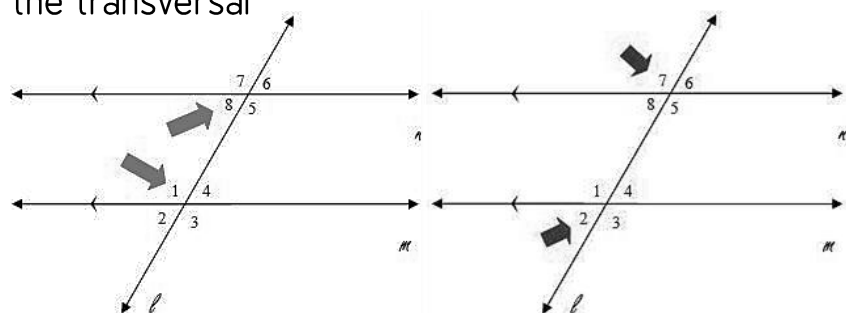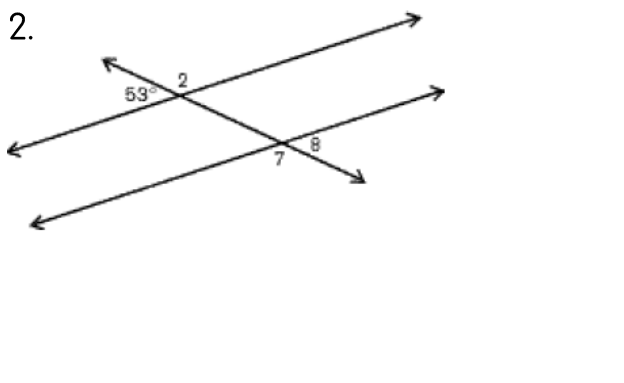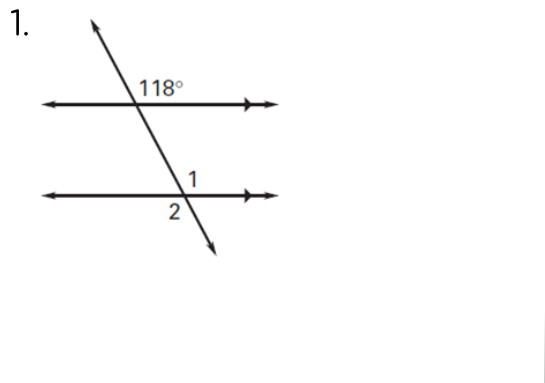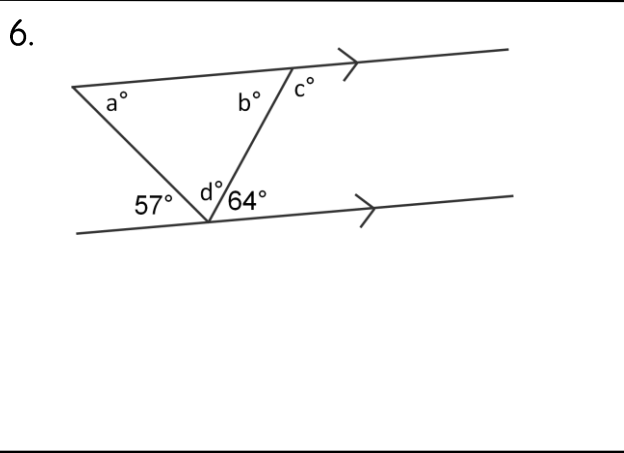| <u>Main Ideas/ Questions</u>	Notes

Parallel Lines Cut By a Transversal Diagram	transversal
	
	EXTERIOR
	
	w →≫→ 1 2
	        3 \ 4
	I N T E R I O R
	z →≫→ 5 6
	            7 \ 8
	w ∥ z EXTERIOR
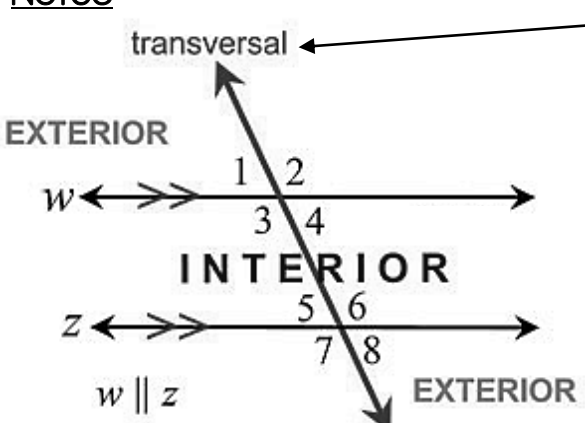	
	Transversal – A line that intersects a system of lines

Corresponding Angles Characteristics	**<u>Corresponding Angles</u>** – Pairs of angles located in the _____ location on each parallel line **<u>EQUATION SETUP</u>**: _____ = _____
Alternate Angles Characteristics	**<u>Alternate Angles</u>** – Pairs of angles located either BOTH on the _____ or BOTH on the _____ **and** _____ over the transversal **<u>EQUATION SETUP</u>**: _____ = _____
Same-Side Angles Characteristics	**<u>Same-Side (Consecutive) Angles</u>** – Pairs of angles located either BOTH on the _____ or BOTH on the _____ **BUT DO NOT** _____ over the transversal **<u>EQUATION SETUP</u>**: _____ + _____ = _____

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Main Ideas/ Questions
Examples

Notes

Find the measure of the missing or numbered angle.

1.

118°

1
2

2.

53° 2

7 8

Find the value of all variables.

3.

$12x + 3$

$11x + 9$

4.

n

$5x + 10$ l

$3x + 2$

m

5.

$3y + 5$

$17x - 70$ $5y + 15$

$2x + 5$

6.

a°   b°   c°

57°   d°/64°
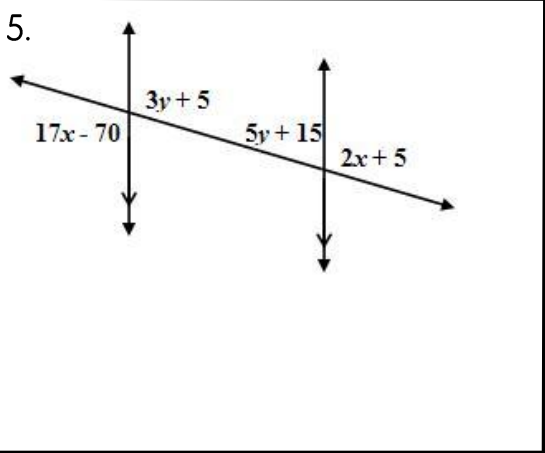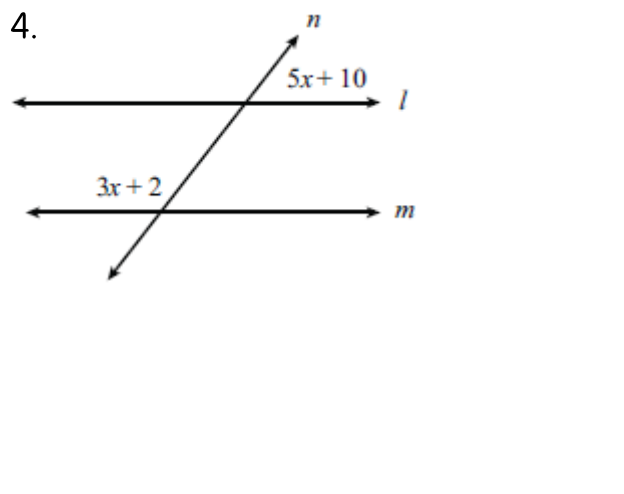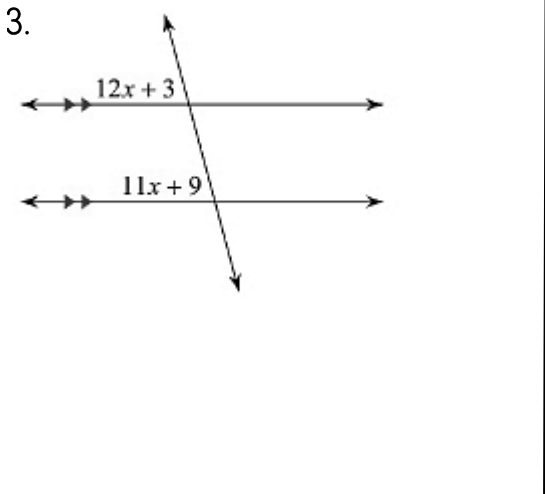
Summary
Summarize the lesson in your own words with the help of the guided questions.

What type of angles are created when a transversal intersects with two parallel lines? How are these angles related to each other?

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