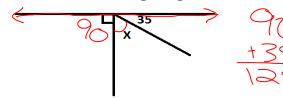
CODE RED – DO NOW

Complete Problems #1-3

1. Find the measure of the missing angle.

X=55



- 2. Define the words: interior and exterior
- 3. Let p = Today is Monday, and let q = The carnival is in town.

Write the statement that represents: $\sim q \Lambda p$

The carnival is not in town and today is Monday.

SEMESTER EXAM BOOT CAMP: G.2 REVIEW SOL G.2 Learning Target: By the end of class today, I will be able to use the relationships between angles formed by two lines cut by a transversal to verify their parallelism, using algebraic and coordinate methods as well as deductive proofs to solve real-world problems at an accuracy of 80%, answering 4 out of 5 questions correctly on an exit ticket. Essential Question: How can I use properties of parallel lines to work towards the solution to a problem?

TODAY'S AGENDA

- **✓**DO NOW
- √ Homework Review
- √G.2 Angle Relationships Review
- ✓KAHOOT!
- ✓ Exit Ticket

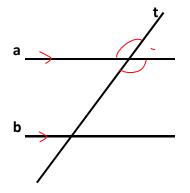
CODE YELLOW

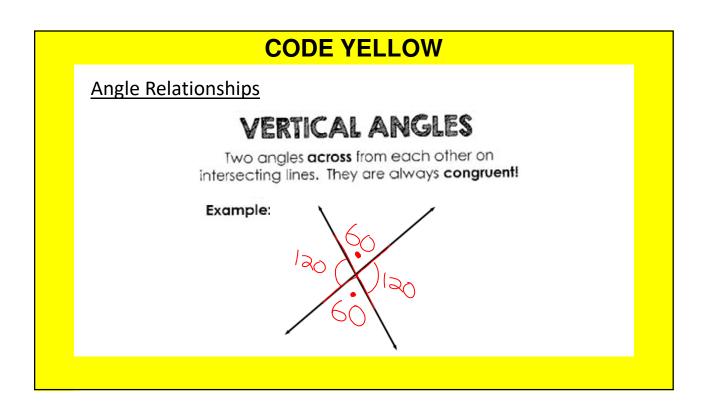
Vocabulary

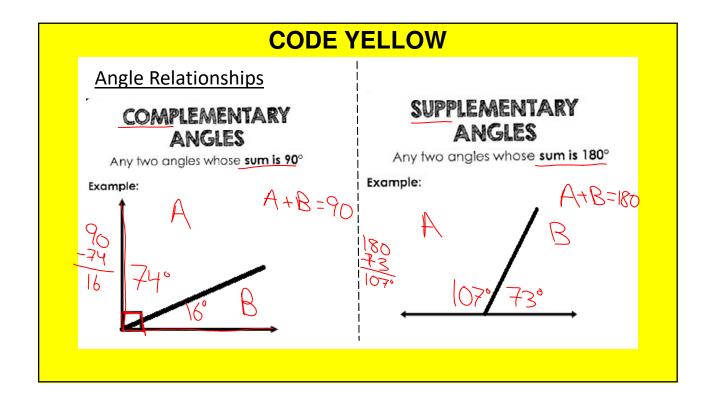
Transversal – any line that connects or crosses at least two other lines.

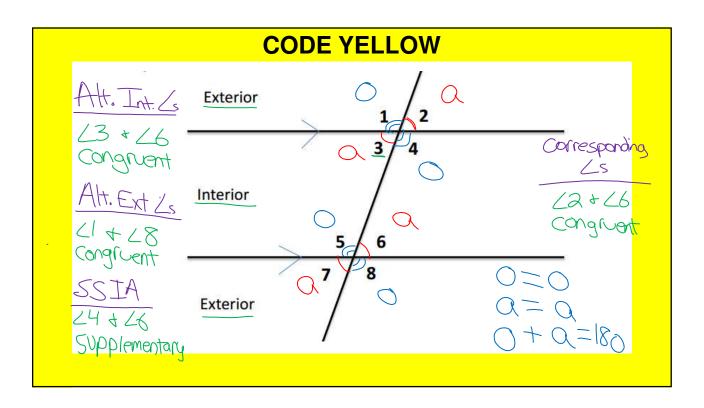
Parallel lines – two lines (on the same plane) that never intersect

http://www.mathopenref.com/transversal.html









CODE YELLOW

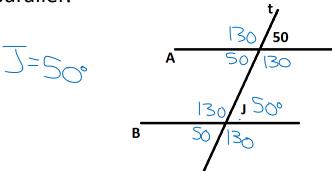
There are 4 WAYS to prove that two lines are parallel:

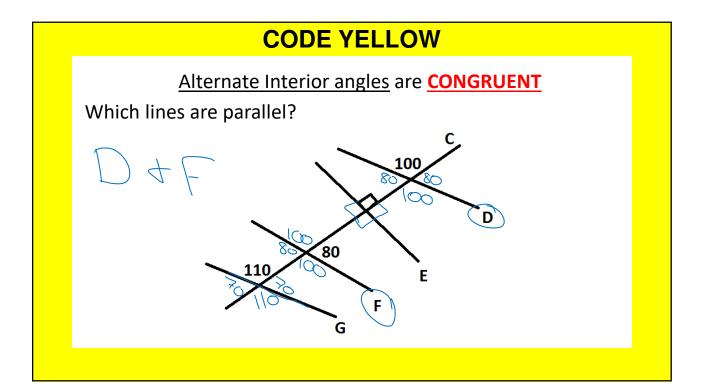
- 1. Corresponding angles are **CONGRUENT**
- 2. <u>Alternate Interior angles</u> are <u>CONGRUENT</u>
- 3. <u>Same Side Interior angles</u> are <u>SUPPLEMENTARY</u>
- 4. Alternate Exterior angles are **CONGRUENT**

CODE YELLOW

Corresponding angles are CONGRUENT

What angle measure would makes Lines A and B parallel?

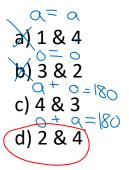


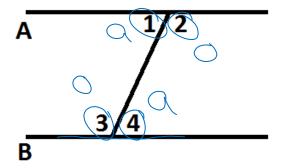


CODE YELLOW

Same Side Interior angles are **SUPPLEMENTARY**

Which pair of angles must be <u>supplementary</u> in order for lines A and B to be parallel?





CODE YELLOW

Alternate Exterior angles are **CONGRUENT**

What value of x would make the lines parallel?

