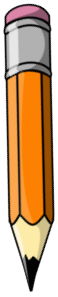
Agenda:

1. ticket in the door
2. section 2-1 (part 2)
3. review tests

Today you will need:

> a calculator
> pencil

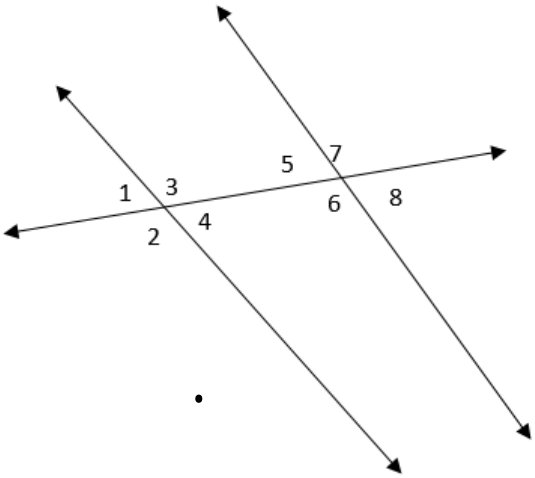
Housekeeping:

1. SHOW WORK on all problems (in assignments, quizzes & tests)
2. you can retake any test...

Assignment due ~~Monday~~ Wednesday:

> Pearson 2-1 "MathXL" (online)

Ticket In the Door – Angles Formed by a Transversal



1.) List all of the pairs of corresponding angles.

$\angle 1,5$ $\angle 3,7$ $\angle 8,4$ $\angle 6,2$

2.) List all of the pairs of alternate interior angles.

$\angle 4,5$ $\angle 3,6$

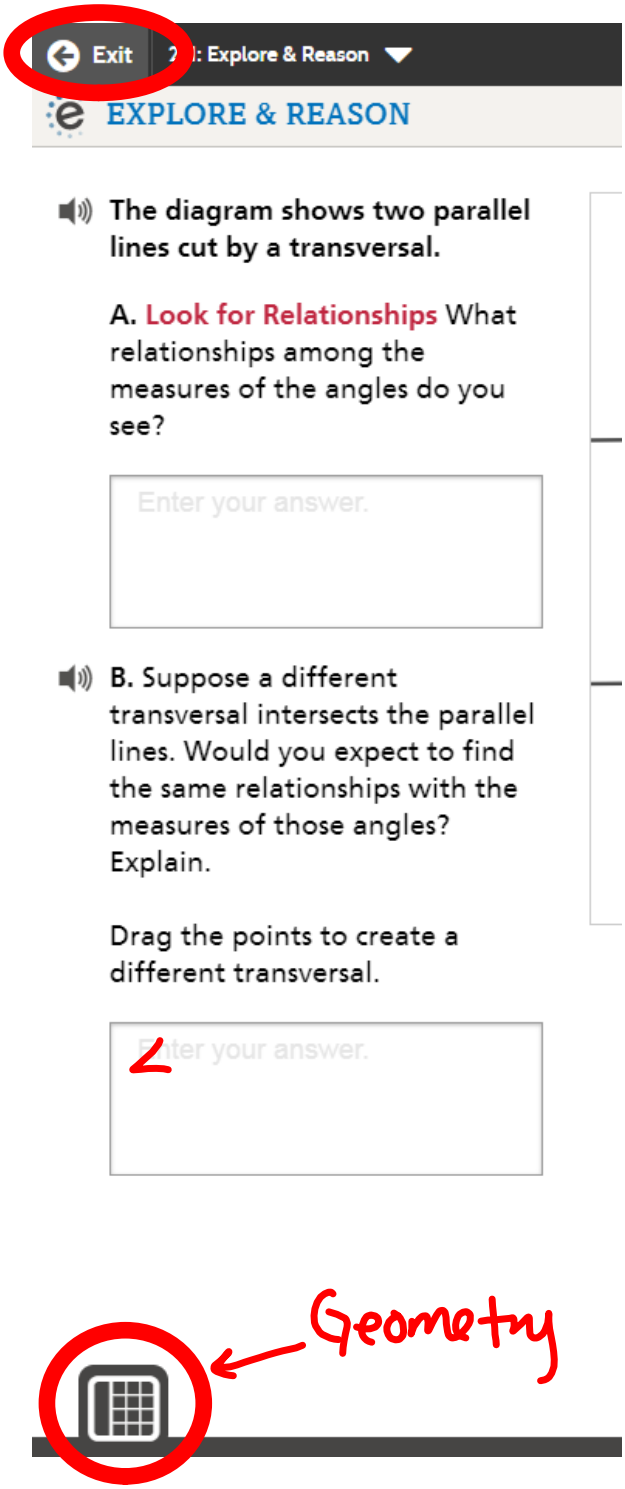
3.) List all of the pairs of alternate exterior angles.

$\angle 1,8$ $\angle 2,7$

4.) List all of the pairs of consecutive interior angles.

(same side interior)

$\angle 4,6$ $\angle 3,5$



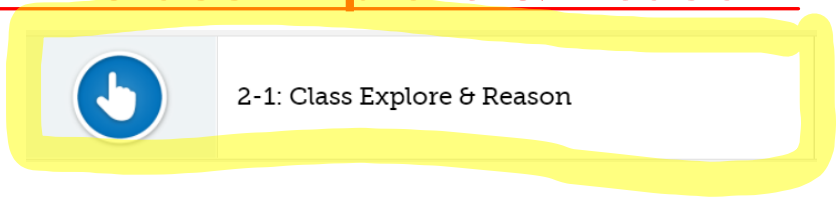
Review Pairs of Angles

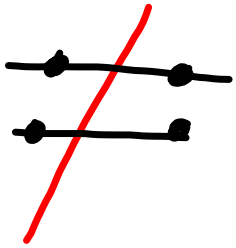
Pearson Realize

To find your class explorations and assignments, you might have to click both options:

"in progress" or "not completed"

2.1 - Class Explore & Reason

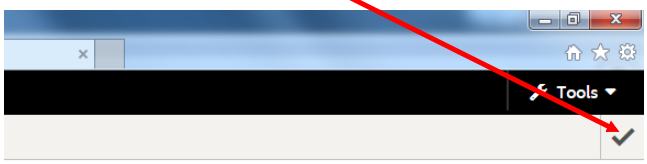




1.) Go to the class exploration.

2.) Answer questions with elbow partner.

3.) Submit answers.



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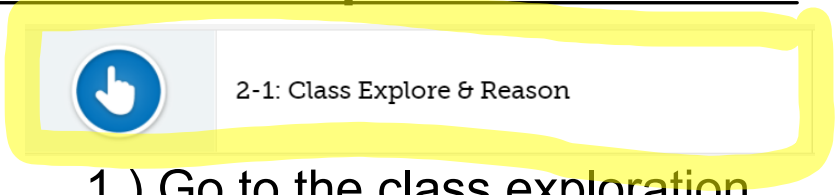

1.) Go to the class exploration.

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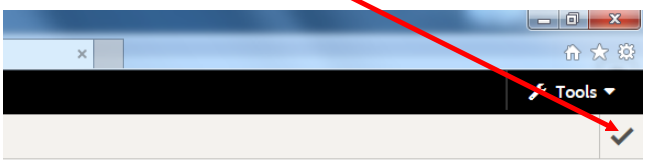


If you finish early, try:

then log off & head back to your seats

Based on our exploration with **parallel lines**, what is true about...

Corresponding angles?

same ≅

Alternate Interior angles?

same

Alternate Exterior angles?

same

Same-Side Interior Angles?

supplementary

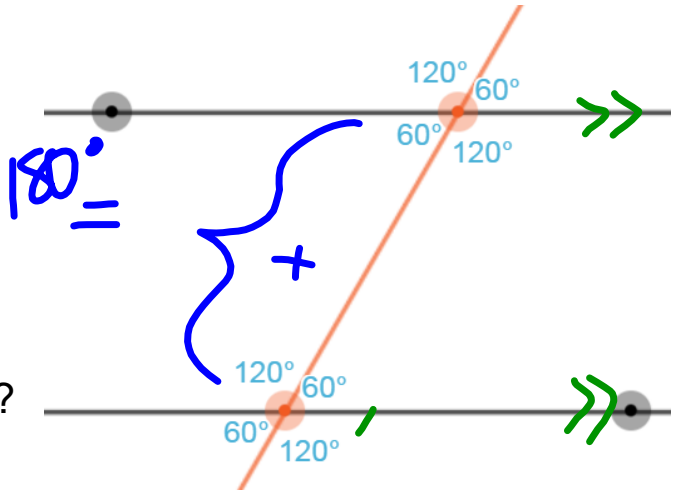
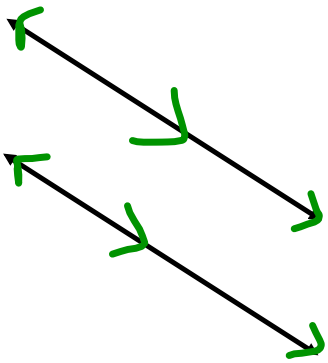


Image:

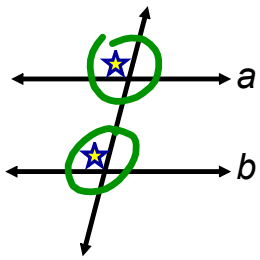


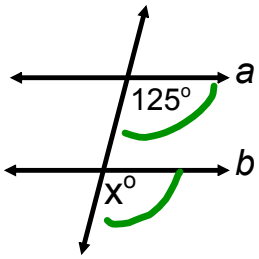
Notation: //

Parallel lines are coplanar + never cross/intersect

Topic 2-1 Parallel Lines and Angle Pairs

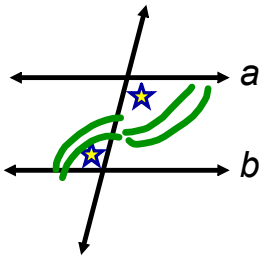
If $a \| b$, then Corresponding Angles (CA) are congruent
(Corresponding Angles Postulate)

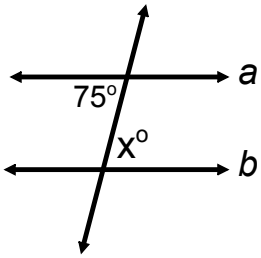




x = 125

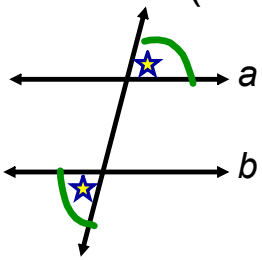
If $a \| b$, then Alternate Interior Angles (AIA) are congruent
(Alternate Interior Angles Theorem)

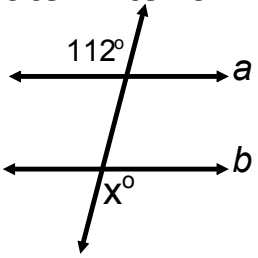




x = 75

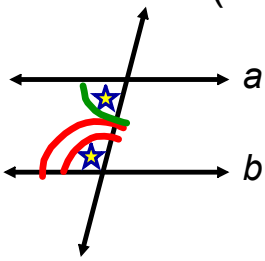
If $a \| b$, then Alternate Exterior Angles (AEA) are congruent
(Alternate Exterior Angles Theorem)

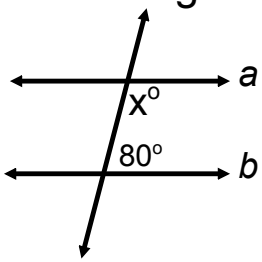




x = 112

If $a \| b$, then Same Side Interior Angles (SSIA) are supplementary
(Same Side Angles Theorem)





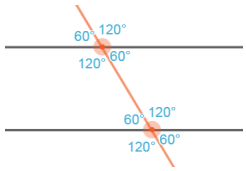
add to 180°

$x + 80 = 180$
$-80 \quad -80$

$x = 100$

Assignment tonight:

Try problems #15-17 in 2-1 (Pearson online)



2-1: MathXL for School: Practice and Problem-Solving

IF YOU DON'T HAVE INTERNET ACCESS...

- try Assignment 2-1 on pg. 77
#12, 13, 15-17, 19, 20, 23, 24, 26