Warm-Up

- Pick up a handout from the back.
- Read it and use it to figure out the Warm-Up.
- Work with your group.

WARM-UP

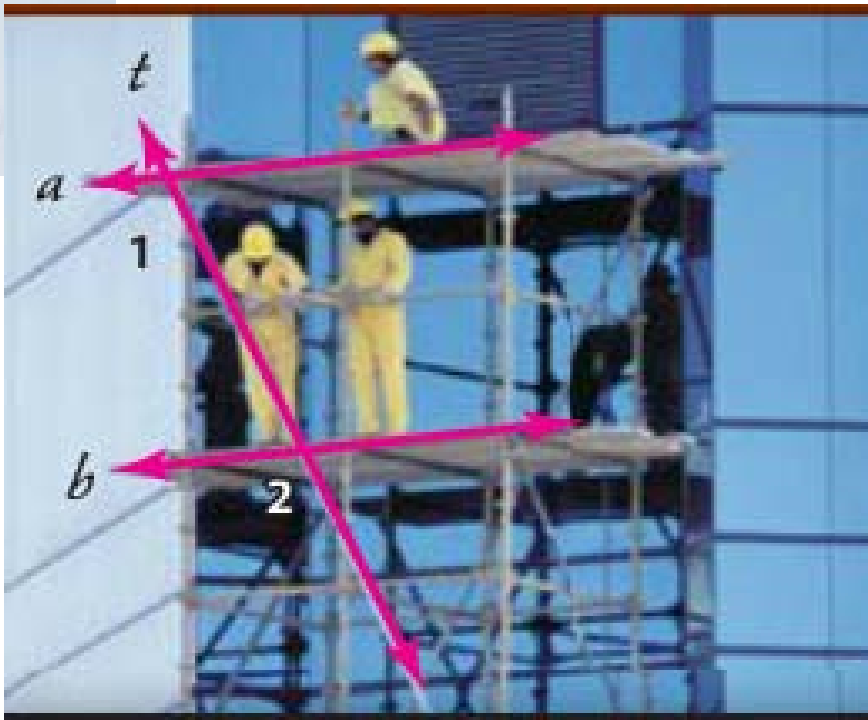
1) Identify all pairs of corresponding angles.

2) Which pairs of angles do you know to be congruent? How do you know?

3) Suppose you are given that c is parallel to w, which pairs of angles do you know to be congruent? How do you know?

Application

Construction and maintenance workers often use an access scaffold. This structure provides support and access to elevated areas. The transversal t shown provides structural support to the two parallel working areas.



Essential Skill 1: Geometry Basics

LT 1.2 Angles and Parallel Lines

Learning Objective

I will be able to . . .

- Use theorems to determine the relationship between specific pairs of angles.
- Use algebra to find angle measurements.

1) The Corresponding Angle Postulate

Watch me! I will show you where to glue this!

"If two parallel lines are intersected by a transversal, then corresponding angles are congruent."

Let's Prove It: Our tools on Pg.10a

We will begin adding to our tool kit.

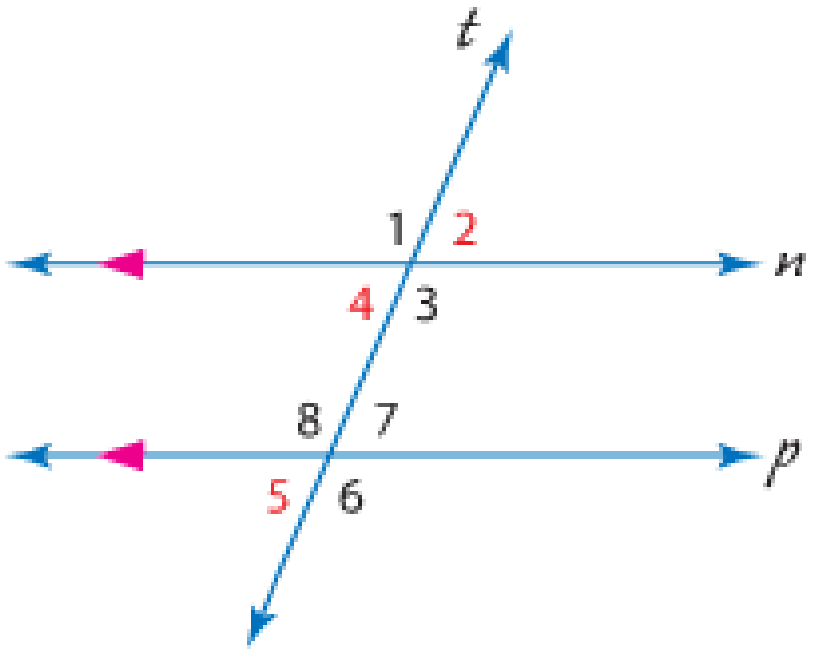
WE WILL ADD MORE LATER!

- Corresponding Angle Postulate on Pg. 10
- LT 1.1 Glossary Review on Pg. 4
  - Supplementary Angles
  - Linear Pair
  - Vertical Angles
  - Congruent Angles
  - Substitution
  - Transitive Property of Congruence

Notes on Pg. 11: Example 1a

In the figure, $m\angle 5 = 72$. Find the measure of each angle. Tell which postulate(s) or theorem(s) you used.

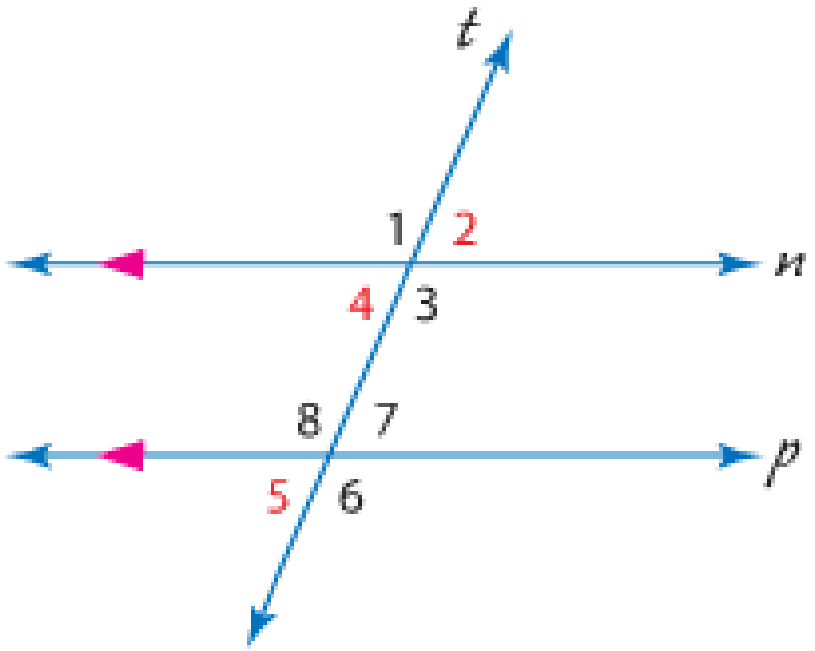
a. $\angle 4$



Example 1b

In the figure, $m\angle 5 = 72$. Find the measure of each angle. Tell which postulate(s) or theorem(s) you used.

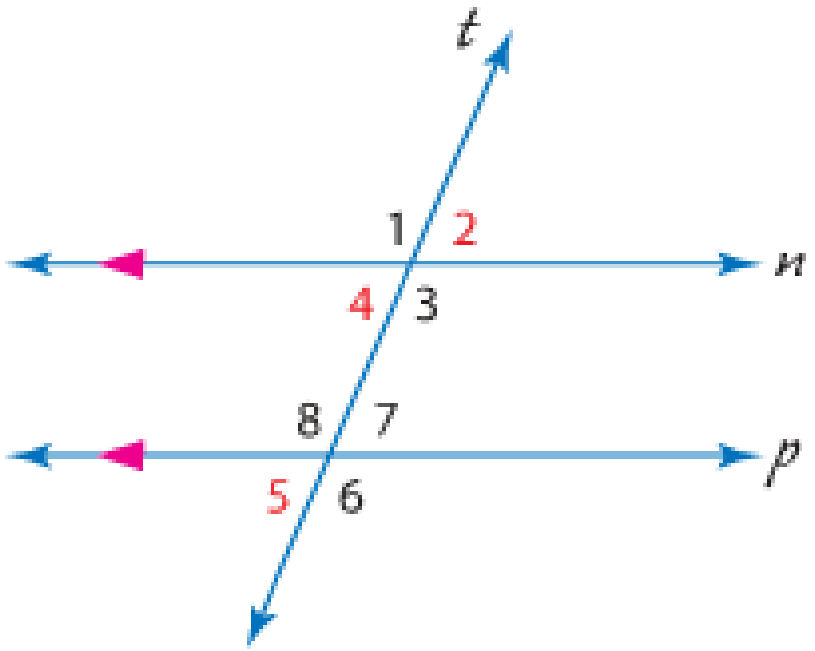
b. $\angle 2$



Example 1c: You try!

In the figure, suppose that $m\angle 8 = 105$. Find the measure of each angle. Tell which postulate(s) or theorem(s) you used.

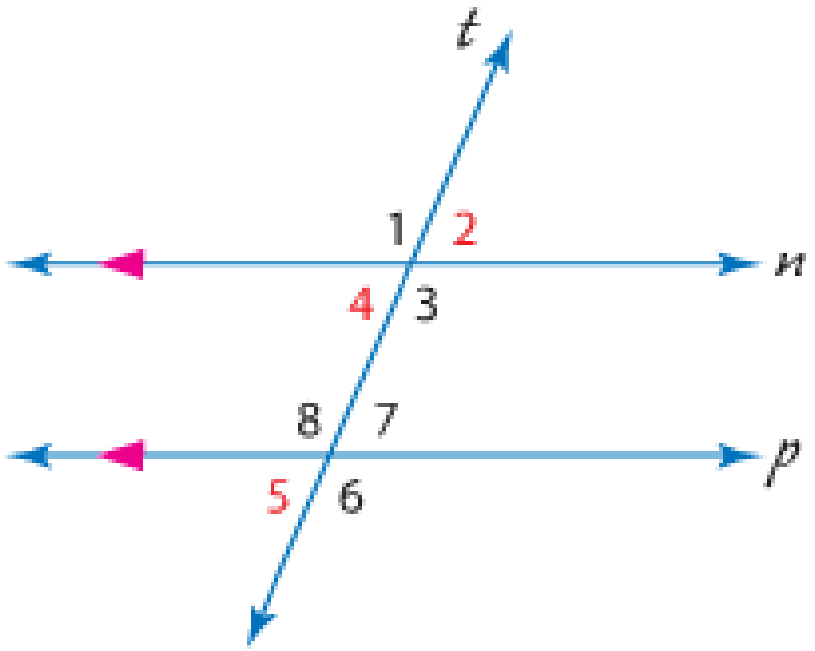
$\angle 1$



Example 1d: You try!

In the figure, suppose that $m\angle 8 = 105$. Find the measure of each angle. Tell which postulate(s) or theorem(s) you used.

$\angle 3$



HW #4: On my DP

www.ccasillas.weebly.org

Class: Complete #11-15 all, 17, 18
Complete LT 1.2 Glossary

Honors: Complete #11-15 all, 17, 18
Complete LT 1.2 Glossary