

Unit 4.1 I Can Sheet – Parallel Lines & Transversals

Name: _____

Standards: PL.3 / PL.5

I can...

- Identify parallel lines & planes and skew lines
- Define a transversal as well as identify one
- Find missing angle measures and describe relationships of consecutive interior, alt. int, alt. ext, and corresponding angles.
- Prove lines are parallel using the angle relationships

Items in bold should be turned in to me or placed in your binder.

_____ **video notes (2)**

_____ **worksheet**

_____ **book assignment**

_____ **game (link on weebly)**

_____ extra worksheets

_____ pre-mc

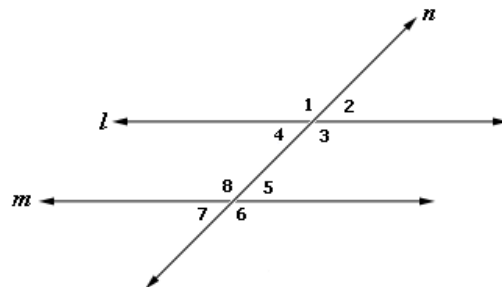
_____ **mastery check**

Pre-MC:

1. What is a transversal?

Determine the relationship between the given angles (vertical, linear, corresponding, consecutive interior, alternate interior, alternate exterior). If no relationship exists, put "none".

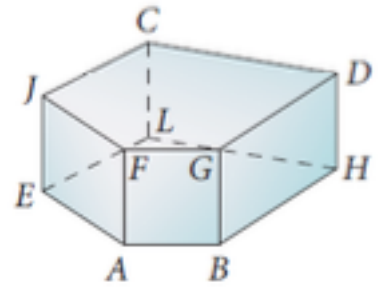
2. $\angle 6$ and $\angle 1$
3. $\angle 7$ and $\angle 5$
4. $\angle 2$ and $\angle 5$



Geometry

Use the figure to the right to answer #5-6.

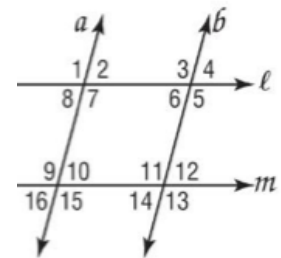
5. Two segments skew to segment EJ.
6. A plane parallel to plane ABH.



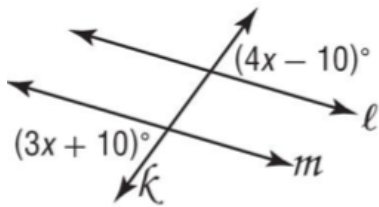
Given the following information, determine which lines, if any, are parallel. State the theorem that justifies your answer, then state the transversal.

7. $\angle 9 \cong \angle 11$

8. $m \angle 5 + m \angle 12 = 180$



9. Solve for x so that line l is \parallel to line m . State the angle relationship.



10. Solve for x so that line l is \parallel to line m . State the angle relationship.

