Directions: Please complete each section and then check your answers. Then, self-assess your understanding of each target using a 1 to 5 scale, where 1 is Not Good, 3 is Okay..., and 5 is 1 Got This!!!

If you are not a 5, please retry other problems from that section and seek out help!

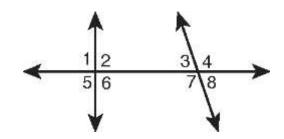
3.1 Lines and Angles

Learning Target 3.1: Name a transversal and classify each pair of angles.

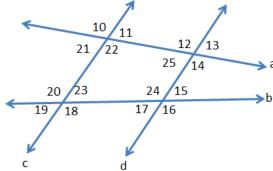
1 2 3 4 5

For # 1-6, give an example of each type of angle pair:

- 1) Corresponding Angles:
- 2) Alternate Interior Angles: _____
- 3) Same Side Interior Angles: ______
- 4) Alternate Exterior Angles: ______
- 5) Vertical Angles:
- 6) Linear Pair Angles: _____



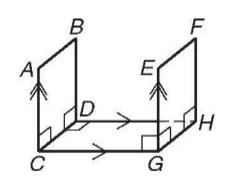
For #7-10, answer the following using the diagram on the right.



- 7) What type of angles are 21 and 23 _____
- 8) What type of angles are 11 and 18 _____
- 9) What type of angles are 25 and 21 _____
- 10) What type of angles are 19 and 16 _____

For #11-13 answer the following using the diagram on the right.

- 11) Identify a pair of parallel segments _____
- 12) Identify a pair of skew segments _____
- 13) Identify a pair of perpendicular segments _____



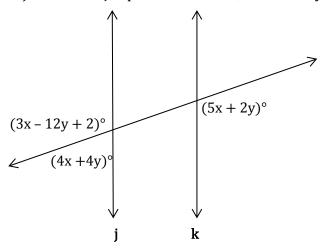
3.2 Given Parallel Lines

Learning Target 3.2a: Given two parallel lines, find an angle measure.

1 2 3 4 5

14) Given j is parallel to k, find...

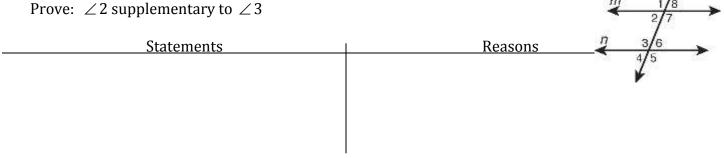
15) Given line j is parallel to line k, find x and y.



Learning Target 3.2b: Given two parallel lines, prove angles congruent

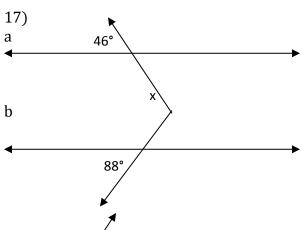
16) Given: $m \parallel n$

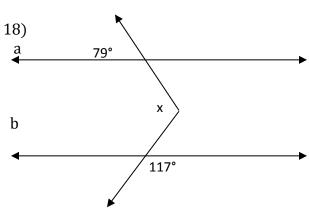
Prove: $\angle 2$ supplementary to $\angle 3$

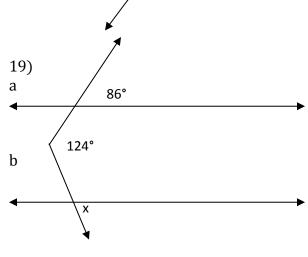


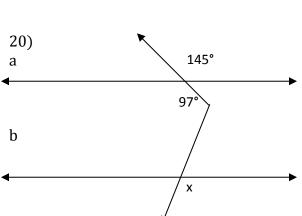
Learning Target 3.2c: Find missing angles in "Crook Problems." In each picture, line a is parallel to line b. Find x.

1 2 3

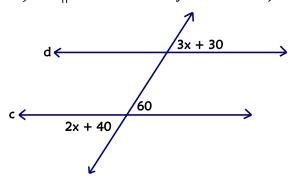








21) Is $c \parallel d$? Show all of your work to justify your answer. Explain why or why not.



Learning Target 3.3b: Prove lines are parallel in a two-column proof. 1 2 3 4 5

22) Given: $\angle 8$ supplementary to $\angle 3$

Prove: $m \parallel n$

