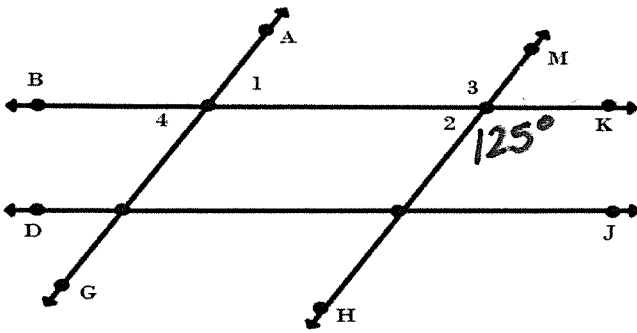


Parallel lines and Transversal checkpoint

Name: _____



Use the picture above to solve the below problems:

1- Find a pair of Alternate interior angles: _____

2- Find a pair of angles that are supplementary _____

3- Find a pair of angles that are congruent _____

4- Find $m\angle 3$ and explain your reasoning _____

5- Find $m\angle 4$ and explain your reasoning _____

6- If $m\angle 1 = 10x - 5$ find x and explain your reasoning _____

7- If $m\angle 2 = 5y - 1$ and $m\angle 4 = 3y + 21$ find y and explain your reasoning