**HW: Solving Quadrilaterals Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Use the properties of quadrilaterals to **identify the figure** and **solve for the missing variables or parts** in the figures below. Tell what properties you used.



1. 2.



3. 4.



5. 6.

For problems 7-9, determine if there is enough information to conclude that the indicated shape is true. Explain why or why not.



1. Parallelogram

 Yes No

 Why:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



1. Square

 Yes No

 Why:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



1. Rhombus

 Yes No

 Why:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Each of the types of quadrilaterals is shown below. Mark the images and write about what makes each of them different than any of the rest.

