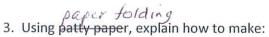1. For each of the geometric statements below, write in words what the statement is representing and then draw a picture of the geometric statement.

Geometric Statement	What is this saying?	Draw a picture
$\overrightarrow{PQ}$		
$\overleftrightarrow{AB}$		
$l \parallel m$		
$j \perp k$		
$\angle PRS$		
$\bullet Z$		

2. Given the dilation to the right, answer the following questions:
a) Name all of the pairs of sides which are parallel to each other:

_____ || _____, _____ || _____, _____ || _____, _____ || _____

b) Given that the scale factor is 3 and AB is 12 centimeters, what is A'B'?

3. Using ~~patty paper~~ paper folding, explain how to make:
a) The perpendicular bisector of a segment.

b) The angle bisector of an angle.

c) The midpoint of a segment.

4. Name all of the valid postulates or theorems that can be used to prove that two triangles are congruent.