Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Transformations & Writing in Vertex Form

1. Describe the transformations. Sketch the graph. Label the vertex for each graph.

a.)  b.) 

c.)  d.) 

e.)  f.) 

g.)  h.) 

Rewrite each function in vertex form (by averaging the x intercepts) and then sketch a graph.  Label the vertex, axis of symmetry, and x-intercepts for each graph.

2. 

3. 

4. 