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

Rewrite each function in graphing form (by averaging the x intercepts) and then sketch a graph.  Label the vertex, x-intercepts, and y-intercept for each graph.

1. *p*(*x*) = *x*2 – 10*x* + 16

2. *g*(*x*) = *x*2 – 4*x* – 12

3. *f*(*x*) = 2*x*2 + 8*x* +6

4. *h*(*x*) = –4*x*2 + 4*x* + 8