Pre-Cal 2.1 Worksheet on putting in Vertex Form

For each problem:

    a)   Transform from standard from to vertex form.

    b)   Determine the vertex.

    c)   Graph only the odd problems

1. $y = x^2 - 6x + 12$	2. $y = x^2 + 14x - 1$
3. $y = x^2 - 5x + 7$	4. $y = x^2 + x - 8$
5. $y = x^2 - 4x$	6. $y = x^2 + 3x$
7. $y = x^2 + 4$	

8. Convert the following to standard from. $y = (x - 4)^2 + 11$

9. Did you provide the graph for the odd problems?