Graphing Quadratic Functions

A) Write each quadratic function in vertex form.

1) $f(x) = -2x^2 + 4x + 1$

2) $f(x) = (x - 11)(x - 1)$

3) $f($

B)

1) $f($

vertex: _____

vertex: _____

3) $f(x) = x^2 - 8x + 16$

4) $f(x) = 10x^2 + 10x + 23$

vertex: _____

vertex: _____