Here is a quadratic function, given in three different (equivalent) forms:

[A] \( f(x) = x^2 - 14x + 40 \)

[B] \( f(x) = (x - 10)(x - 4) \)

[C] \( f(x) = (x - 7)^2 - 9 \)

In which of these forms is it easiest

1. to find the vertex of the graph?
2. to find the x-intercepts of the graph?
3. to find the y-intercept of the graph?
4. to find the output when the input is zero?
5. to find out which input(s) will make the output zero?
6. to find out which input(s) will make the output positive?
7. to find out which input(s) will make the output negative?
8. to find out which input(s) will make the output its minimum value?

Circle the word or phrase that most precisely completes each statement.

9. The process of converting from from [A] to form [B] is called...
   ( completing the square / factoring / multiplying / simplifying / solving )

10. The process of converting from from [B] to form [A] is called...
    ( completing the square / factoring / multiplying / simplifying / solving )

11. The process of converting from from [A] to form [C] is called...
    ( completing the square / factoring / multiplying / simplifying / solving )