Begin with the graph of \( y = \sqrt{x} \) and successively perform each of the following transformations. Give the equation, graph, and domain for each step.

0) Beginning; domain \([0, \infty)\):
\[ y = \sqrt{x} \]

i) Stretch vertically by a factor of 3; domain \([0, \infty)\):
\[ y = 3\sqrt{x} \]

ii) Shift left 2 units; domain \([-2, \infty)\):
\[ y = 3\sqrt{x} + 2 \]

iii) Reflect over the \( y \)-axis; domain \((-\infty, 2]\):
\[ y = 3\sqrt{(-x)} + 2 \]

To check your work, make sure \((x, y) = (-2, 6)\) satisfies the equation \( y = 3\sqrt{(-x)} + 2 \).