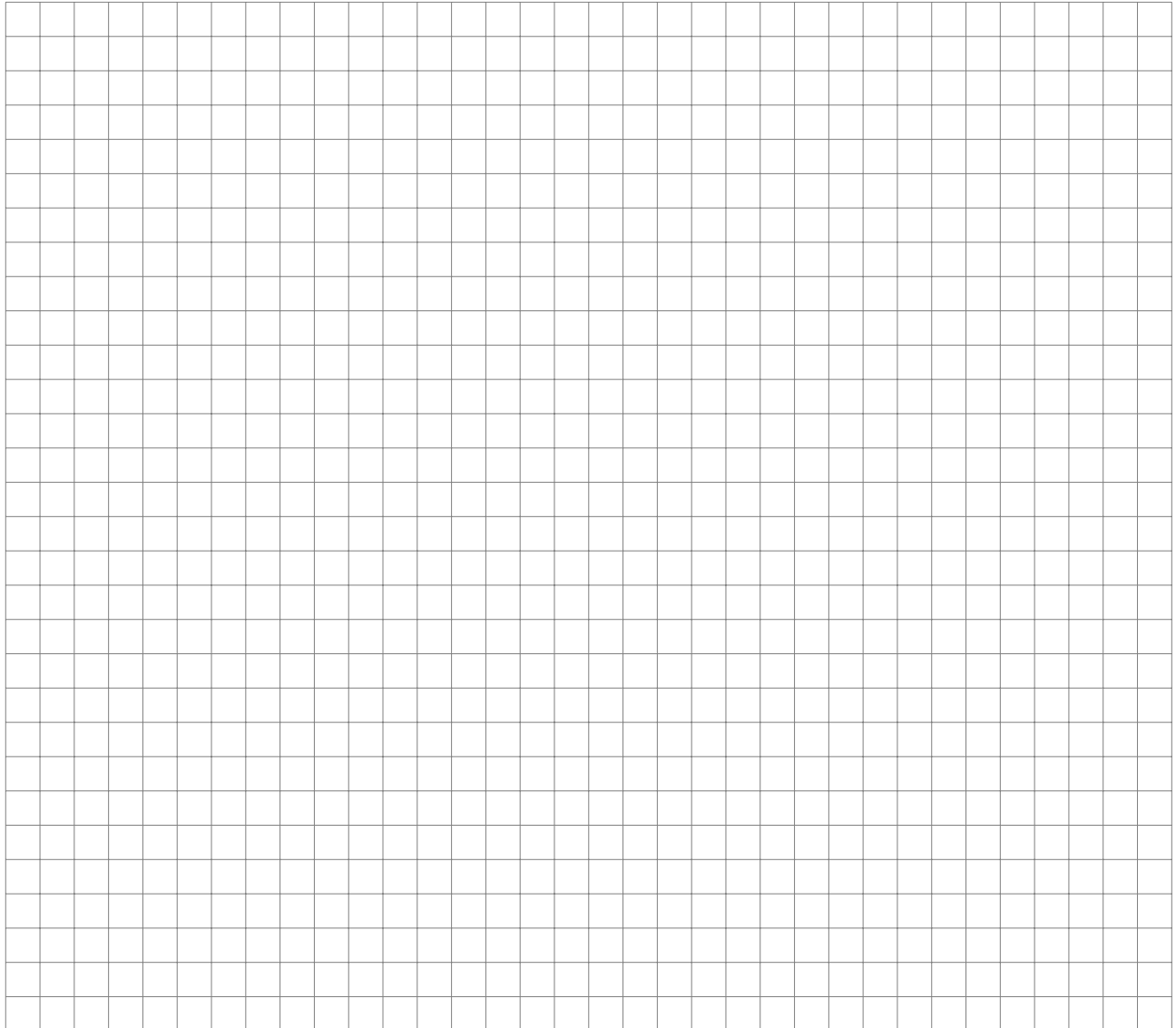Name:
Result:
Group A

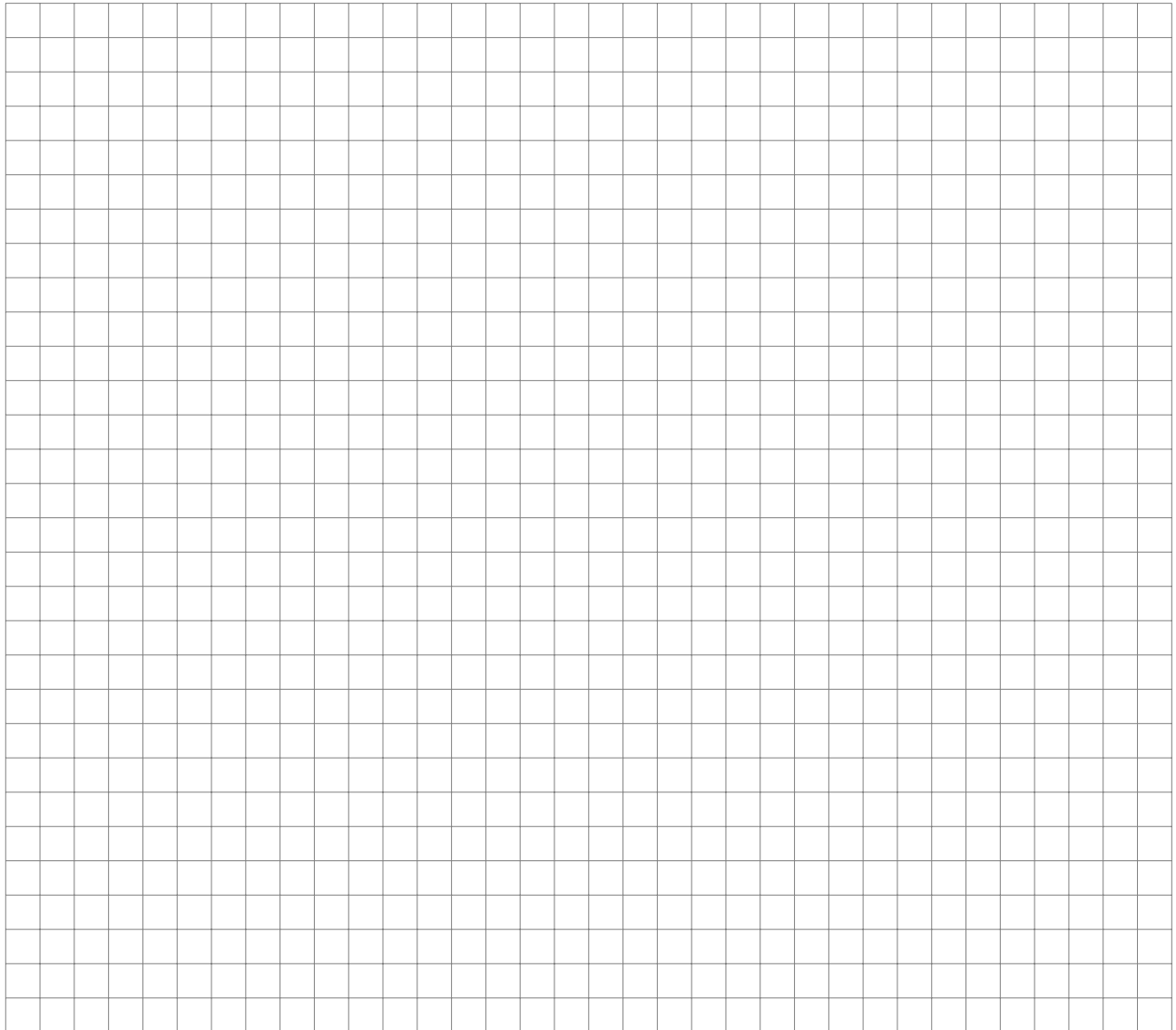**1.** *(4 points)*

Sketch the graph of $f(x) = 2 - \sqrt{-x - 1}$. Write down the sequence of transformations that turn the graph of $y = \sqrt{x}$ into the graph of $y = f(x)$.

2. *(4 points)*

Sketch the graph of $f(x) = -2|x - 1| + 1$. Write down the sequence of transformations that turn the graph of $y = |x|$ into the graph of $y = f(x)$.

3. *(4 points)*

Sketch the graph of $f(x) = x^2 - 6x + 8$. Write down the sequence of transformations that turn the graph of $y = x^2$ into the graph of $y = f(x)$.