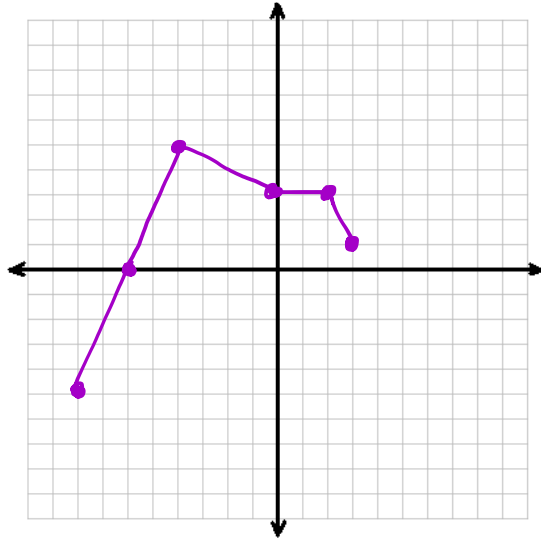


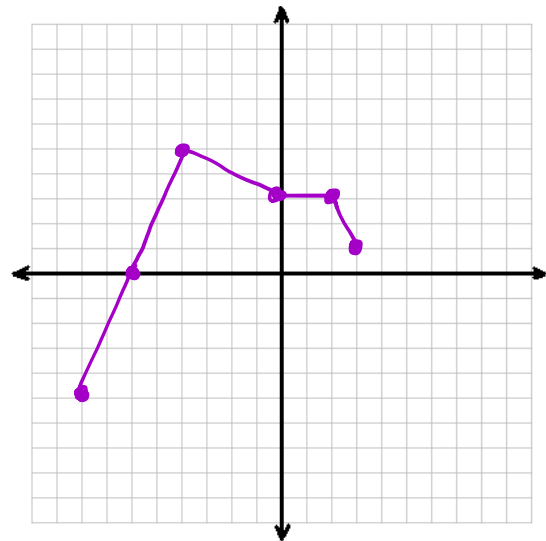
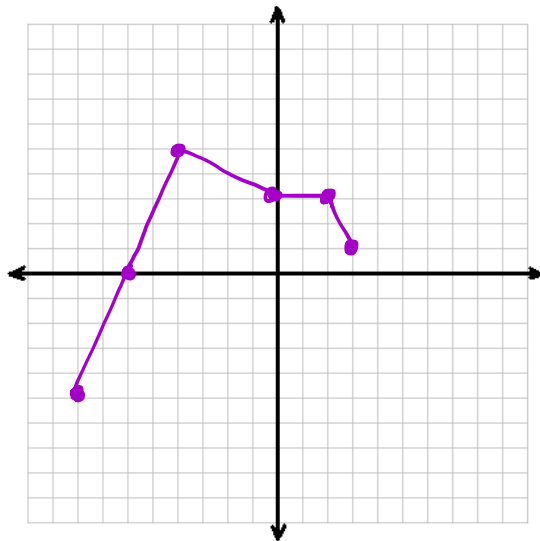
If the following is $f(x)$... Graph the following



1. $f(2x)$

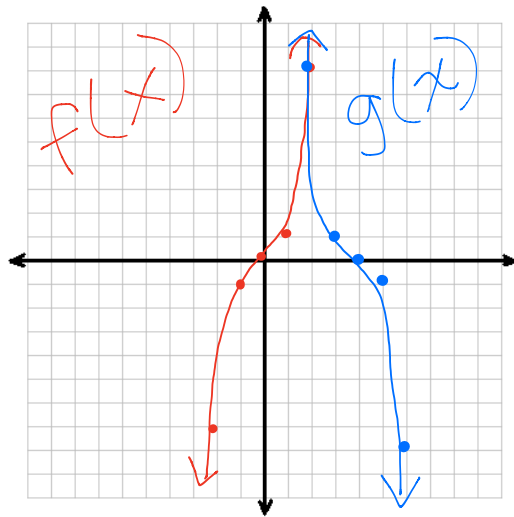
2. $f(-x) + 3$ **do reflection then shift**

3. $3f(x + 2)$ **do shift then stretch**

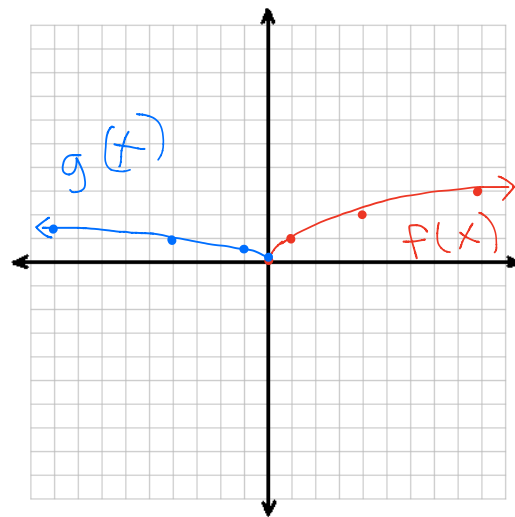


Write the equation of the transformed function (the blue $g(x)$ one)

4.



5.



Write the function from the description

6. A square root function that's vertically stretched by a factor of 2, shifted down 3, and is reflected on the x axis

7. An absolute value function $|x|$ that's horizontally shrunk by a factor of 5, shifted right 2, and reflected on the y axis.

8. A parabola that's vertically shrunk by a factor of $1/4$, reflected on the x axis, shifted up 2 and left 5.