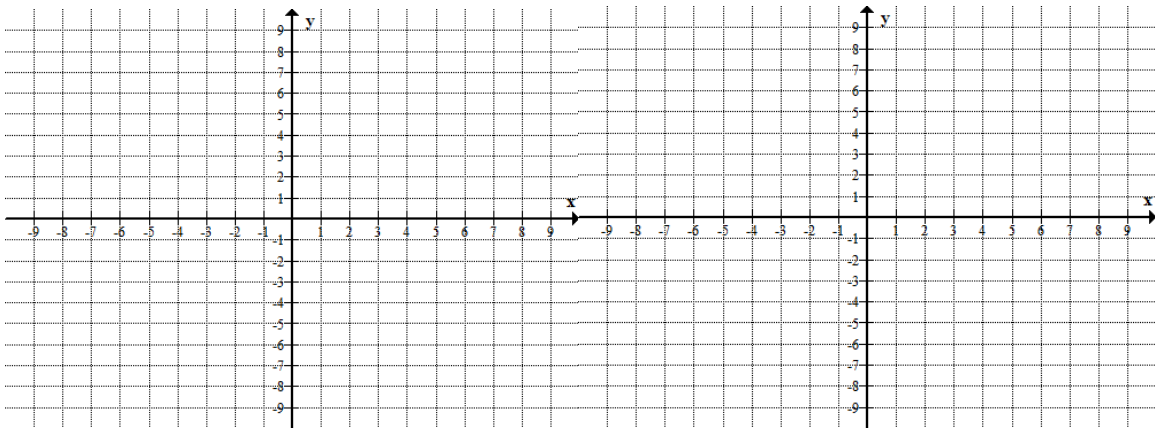5. Graph $y = -2(x + 3)^2 + 1$ using transformations. Start with the basic function. Plot accurately at least 3 points and use them to perform transformations. Do not graph by plotting the points! Show one transformation at a time in a correct order (clearly labeled). Write the equation of each graph

y = _____   y = _____
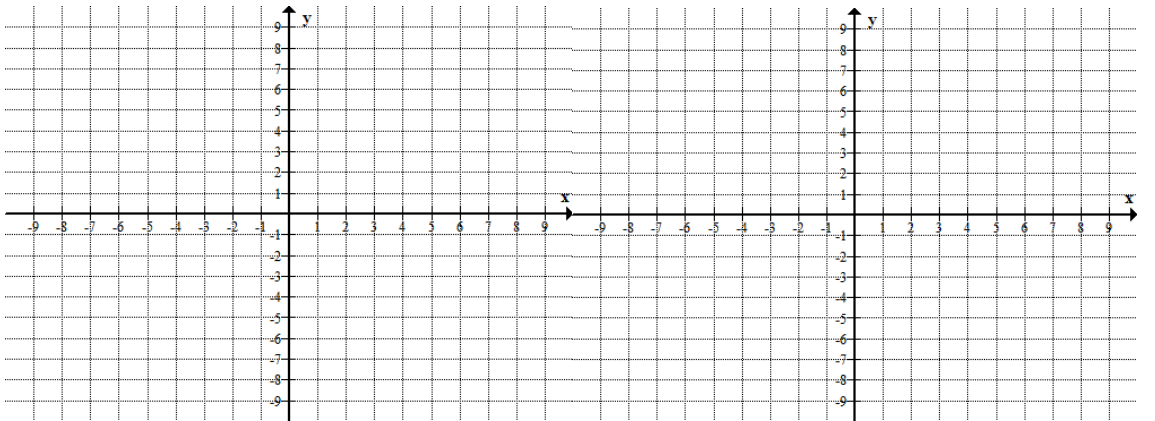
transformation: _____   transformation: _____

y = _____   y = _____

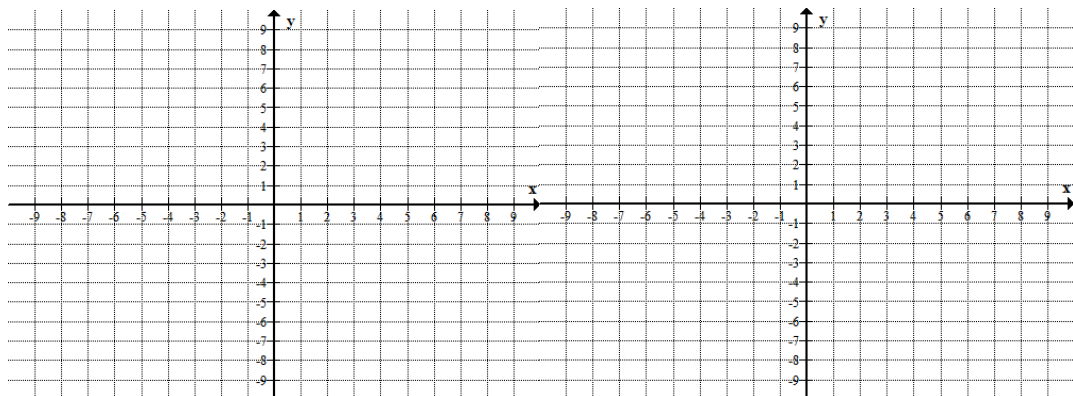transformation: _____   transformation: _____

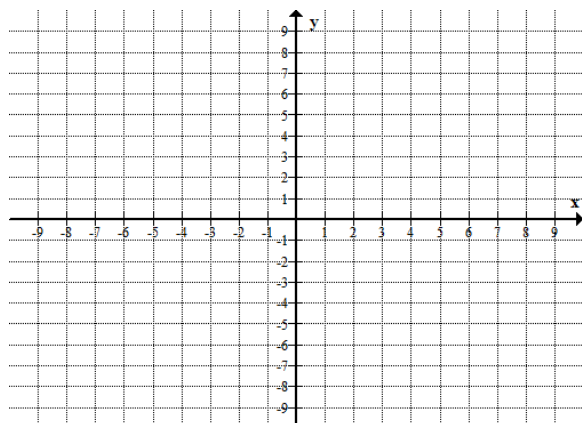y = _____   y = _____

transformation: _____   transformation: _____

7. Graph $y = \left(-\dfrac{x}{2} - 1\right)^3 + 2$ using transformations. Start with the basic function. Plot accurately at least 3 points and use them to perform transformations. Do not graph by plotting the points! Show one transformation at a time in a correct order (clearly labeled). Write the equation of each graph
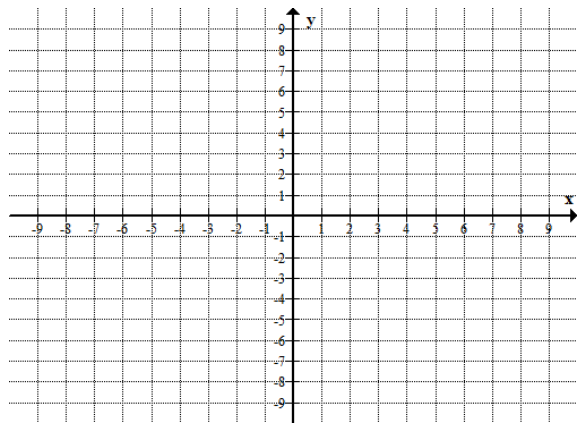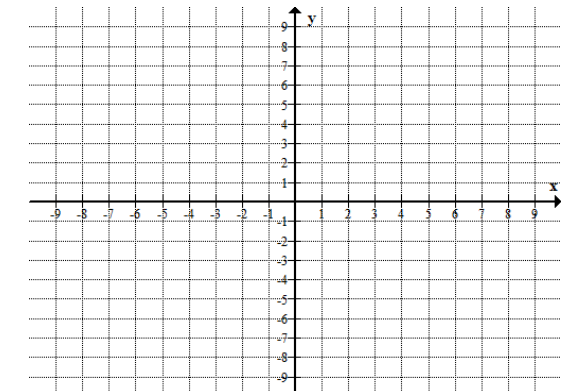
y = _____
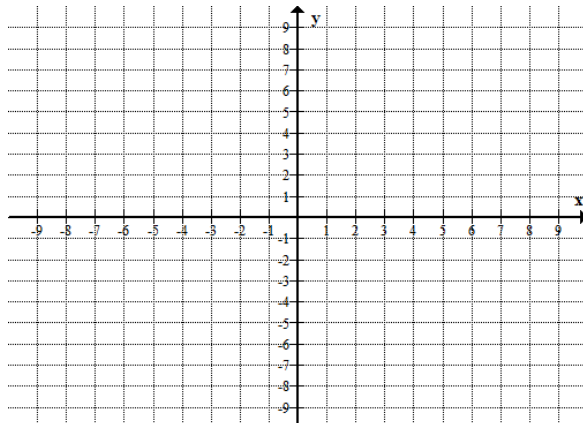
transformation: _____

y = _____
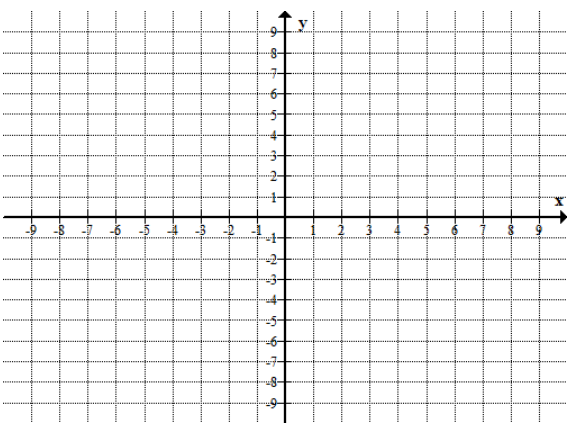
transformation: _____

y = _____
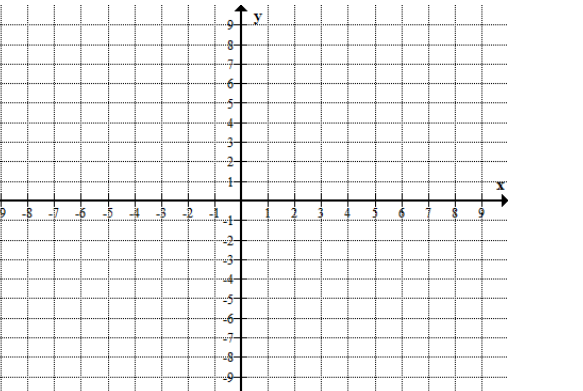
transformation: _____

y = _____

transformation: _____

y = _____

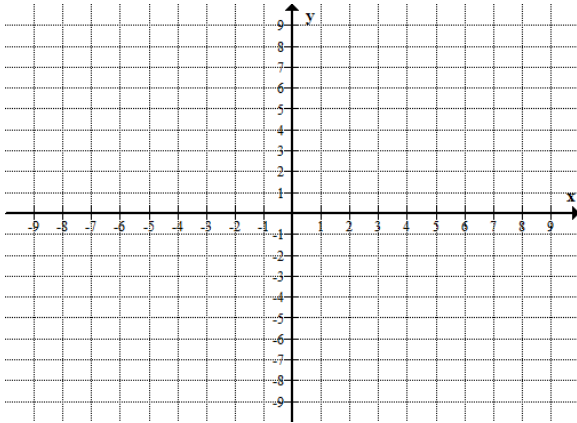transformation: _____

y = _____

transformation: _____

8. Graph $y = -2\sqrt{-x} + 3$ using transformations. Start with the basic function. Plot accurately at least 3 points and use them to perform transformations. Do not graph by plotting the points! Show one transformation at a time in a correct order (clearly labeled). Write the equation of each graph
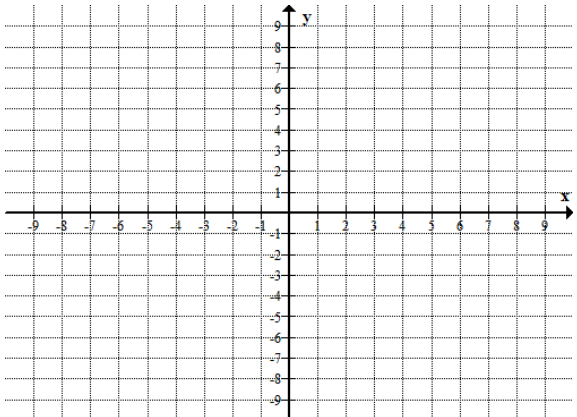
y = _____

transformation: _____

y = _____

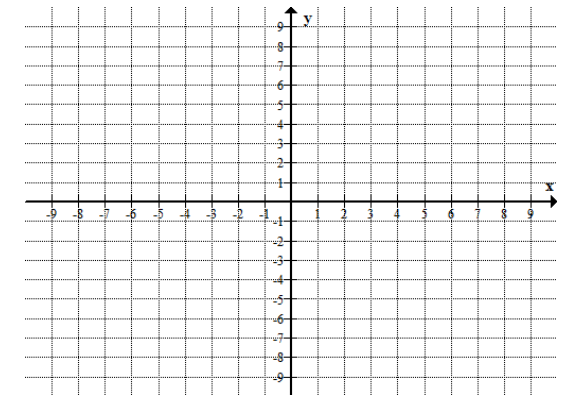transformation: _____

y = _____

transformation: _____

y = _____

transformation: _____

y = _____

transformation: _____

y = _____

transformation: _____