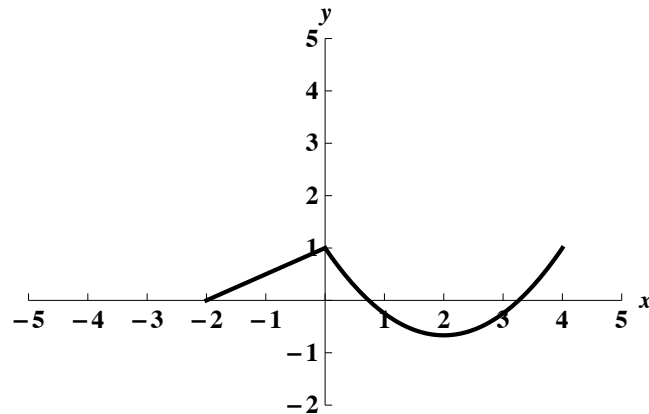
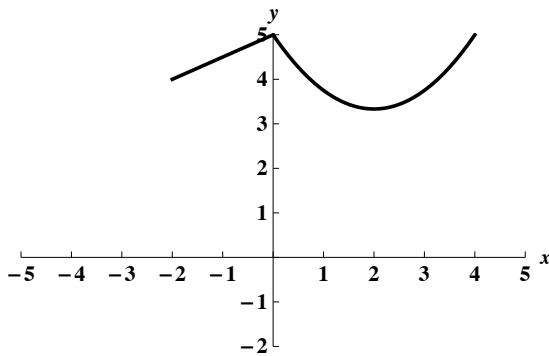


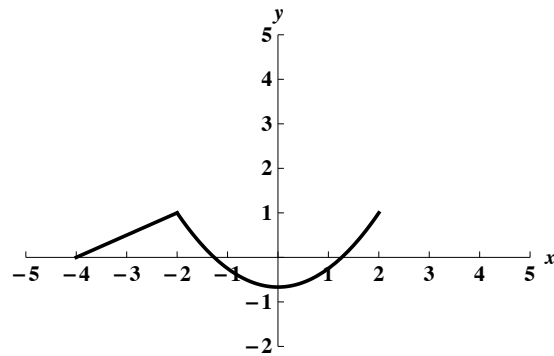
9. [12 points] Consider the graph below of  $g(x)$ :



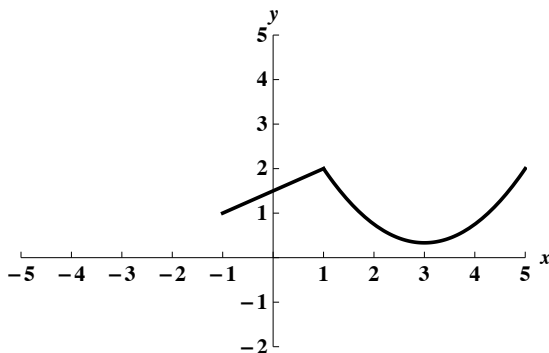
The four graphs below are shifts or stretches of  $g(x)$ . Write each function below in terms of  $g(x)$ .



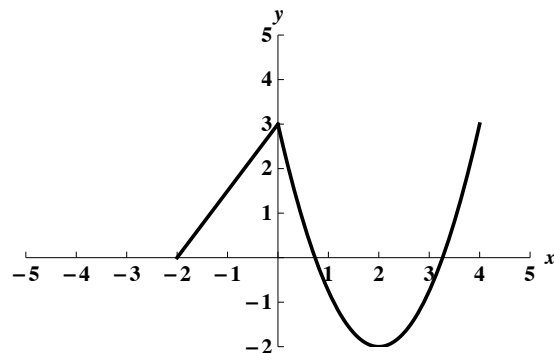
$$h(x) = \underline{\quad\quad\quad} g(x) + 4$$



$$k(x) = \underline{\quad\quad\quad} g(x + 2)$$



$$l(x) = \underline{\quad\quad\quad} g(x - 1) + 1$$



$$m(x) = \underline{\quad\quad\quad} 3g(x)$$