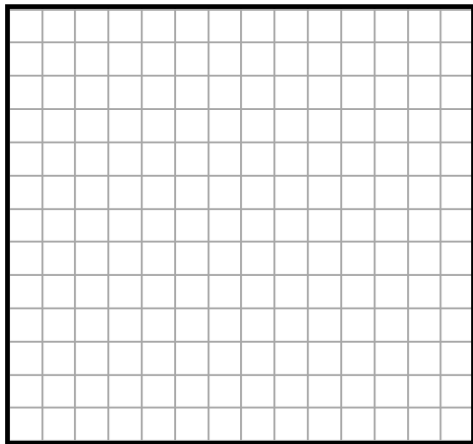


Functions 4b – Piecewise Functions
Homework #2

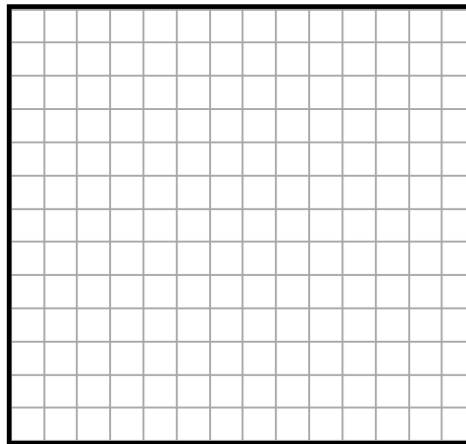
Name _____
Per _____ Date _____

Graph the following on the grids provided. State the range.

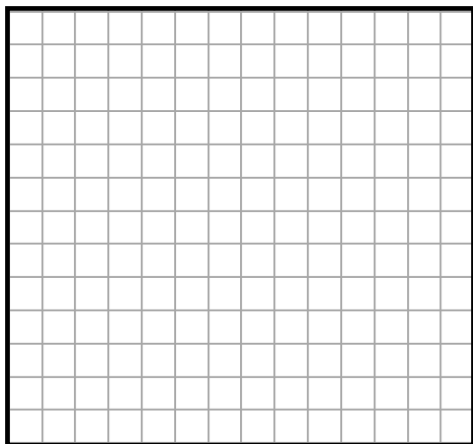
1) $k(x) = \begin{cases} 1 - x, & \text{if } x < 1 \\ x^2 & \text{if } x \geq 1 \end{cases}$



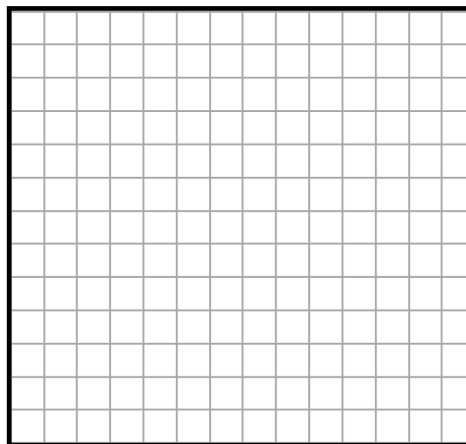
2) $m(x) = \begin{cases} -2x - 4, & \text{if } x < -3 \\ x^2 - 2, & \text{if } -3 \leq x < 2 \\ 3 & \text{if } x > 2 \end{cases}$



3) $f(x) = \begin{cases} x + 4 & \text{if } x < 2 \\ 3 & \text{if } 2 \leq x < 5 \\ -6 + x & \text{if } x \geq 5 \end{cases}$

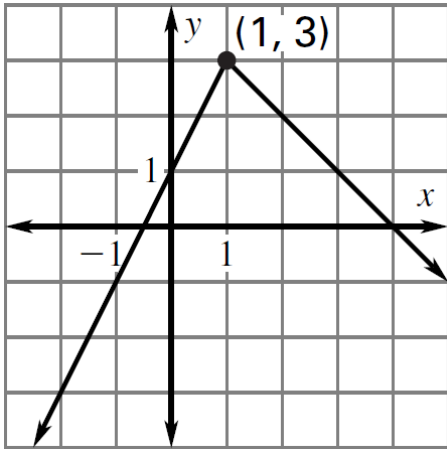


4) $f(x) = \begin{cases} 3x + 3 & \text{if } x < 0 \\ x^2 + 1 & \text{if } x \geq 0 \end{cases}$



continued...

5) Write the symbolic piecewise function for the following graph:



6) Write the symbolic piecewise function for the given graph.

