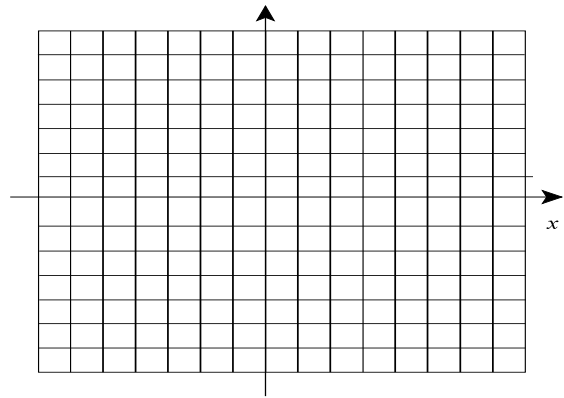
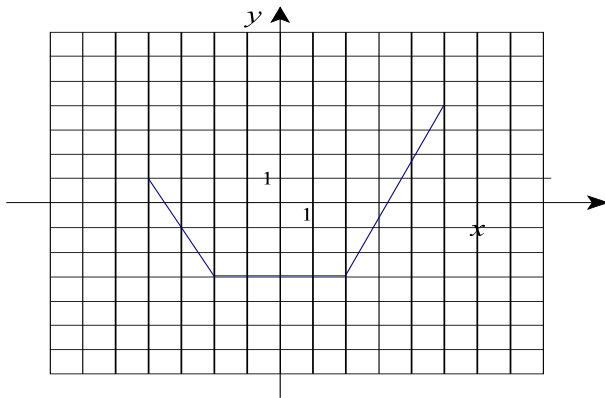


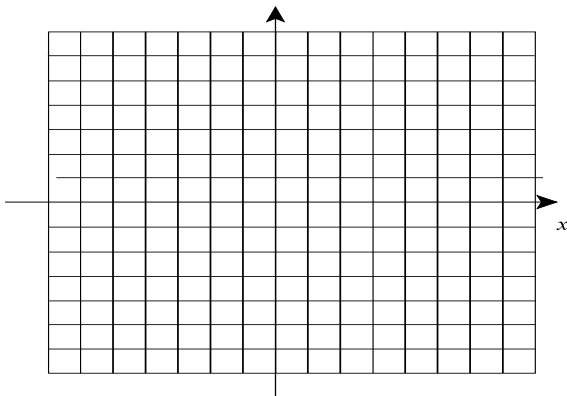
Rigid Transformations of graphs of Functions

The graph of $y = f(x)$, sketch the graph of each function

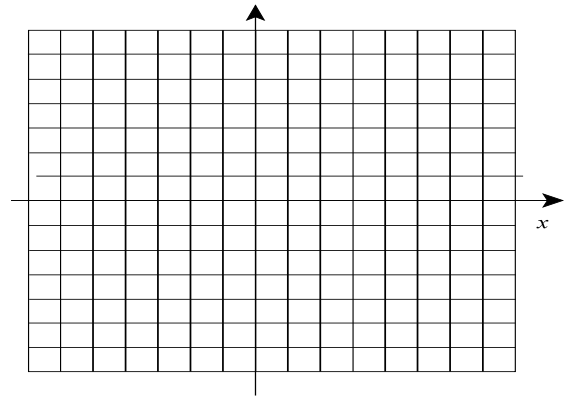
$y = f(x - 2)$



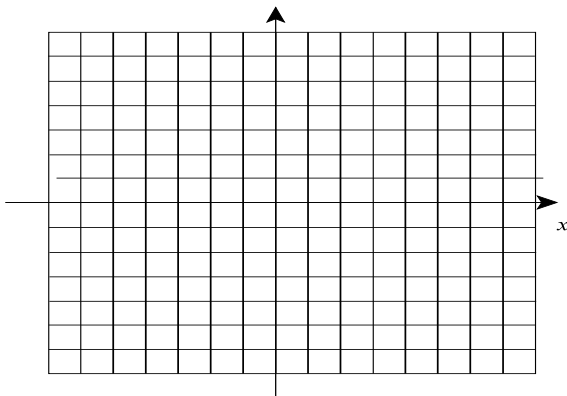
$y = f(x) + 3$



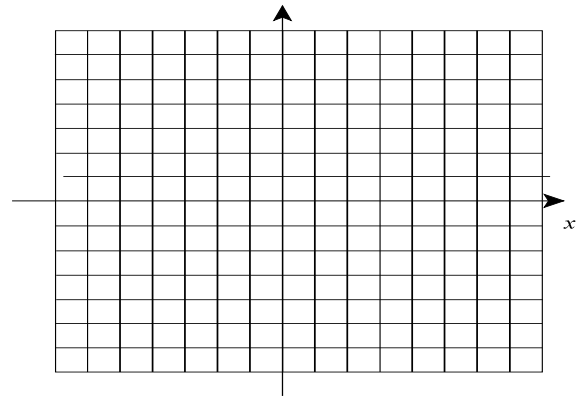
$y = f(x - 2) - 3$



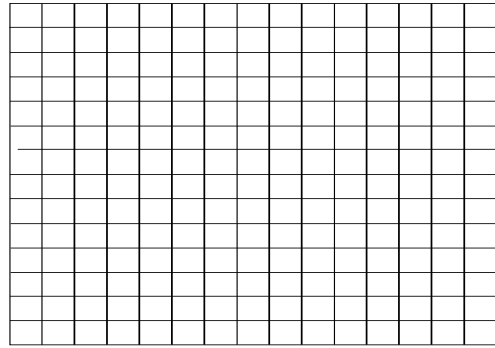
$y = f(-x) + 2$



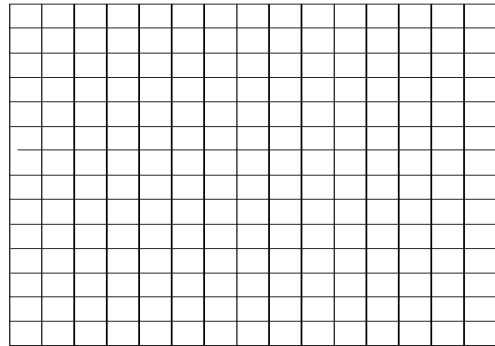
$y = -f(x + 2)$



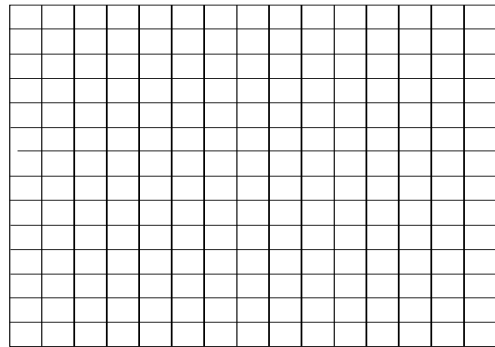
2. Let $f(x) = x^2 - 4x + 3$
a. Find $g(x) = f(x - 1)$, then graph f and g on the same coordinate system.



- b. $h(x) = -f(x) + 1$, then graph f and h on the same grid.



3. Let $f(x) = |x - 2| + 3$
Find $g(x) = f(x + 2) - 3$, then graph f and g on the same grid.



4. Let $f(x) = -\lceil x - 2 \rceil + 3$
Find $g(x) = f(x + 2)$, then sketch f and g on the same grid.

