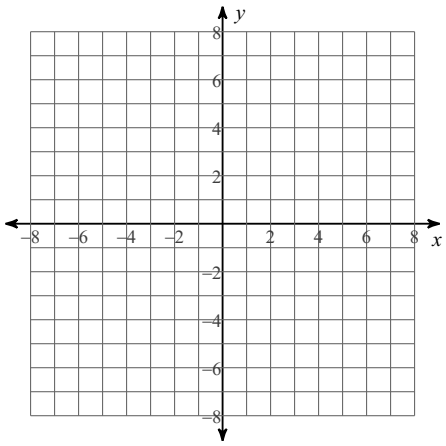
Precalculus Name_____ ID: 1

Assignment

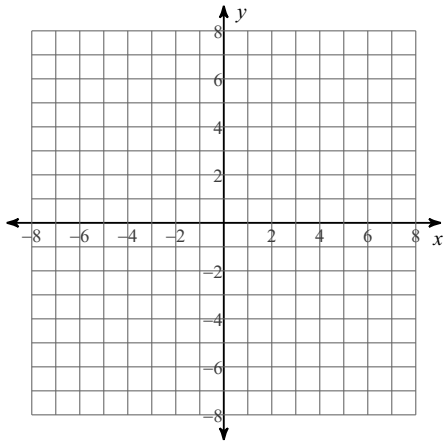
Date_____ Period____

Sketch the graph of each function.

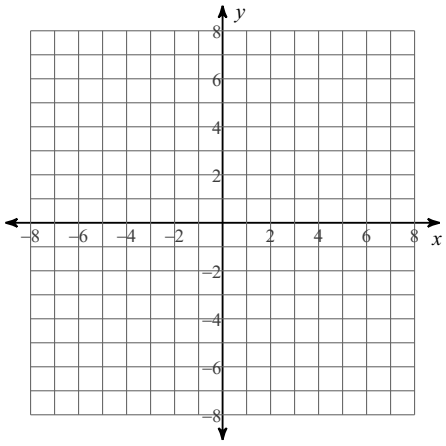
1) $f(x) = \begin{cases} (x+3)^2, & x < -3 \\ 2x+3, & x \geq -3 \end{cases}$



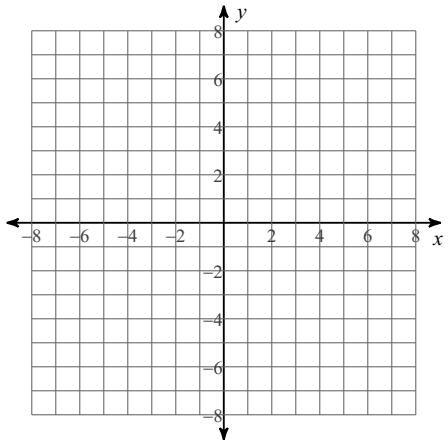
2) $g(x) = \begin{cases} x^2 - 3, & x < 3 \\ (x-3)^2, & x \geq 3 \end{cases}$



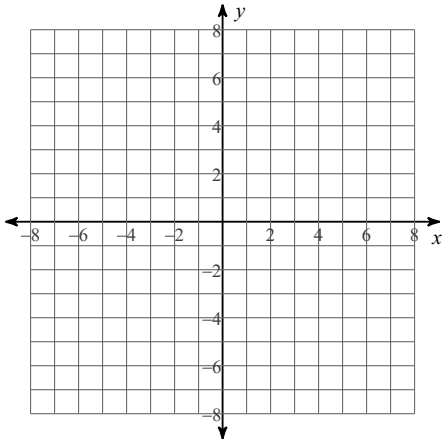
3) $f(x) = \begin{cases} 4 - x^2, & x < 2 \\ (x-2)^2, & x \geq 2 \end{cases}$



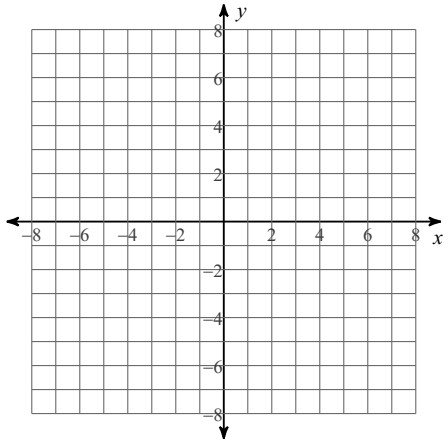
4) $f(x) = \begin{cases} 4 - x^2, & x < 1 \\ (x-1)^2, & x \geq 1 \end{cases}$



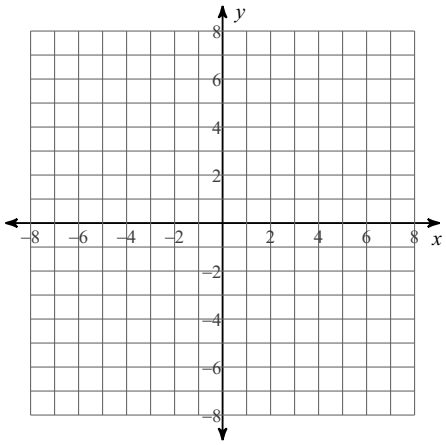
5) $g(x) = \begin{cases} (x+2)^2, & x < -2 \\ (x+1)^2, & x \geq -2 \end{cases}$



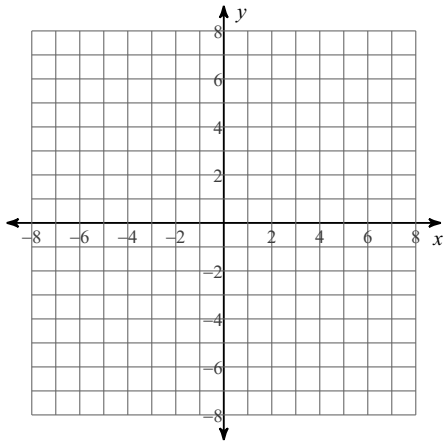
6) $f(x) = \begin{cases} (x+4)^2, & x \leq -3 \\ 2x+1, & x > -3 \end{cases}$



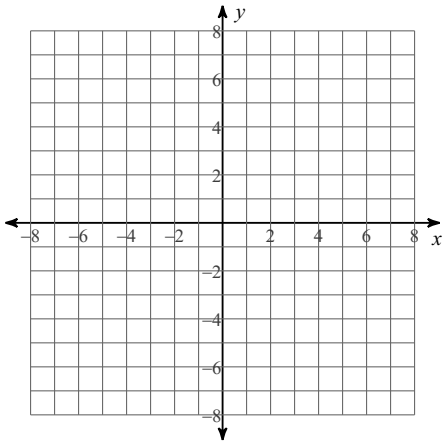
7) $g(x) = \begin{cases} (x+2)^2, & x < -2 \\ 4 - x^2, & x \geq -2 \end{cases}$



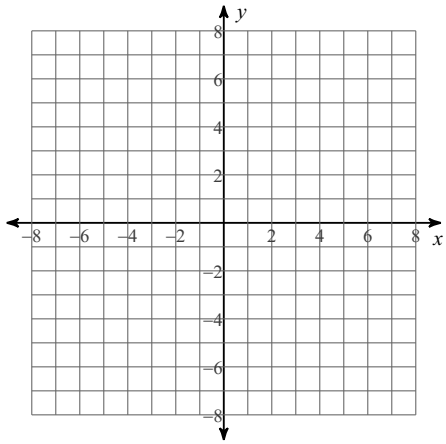
8) $g(x) = \begin{cases} x + 2, & x < -2 \\ (x+2)^2, & x \geq -2 \end{cases}$



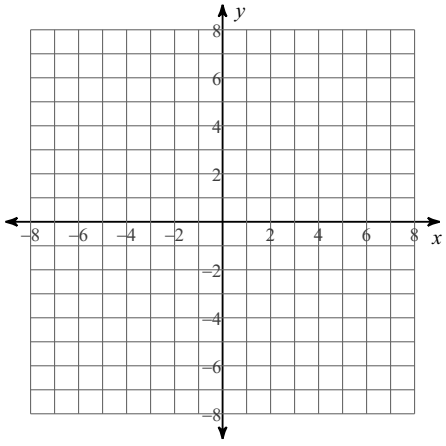
9) $g(x) = \begin{cases} x^2 - 3, & x \leq 3 \\ x - 3, & x > 3 \end{cases}$



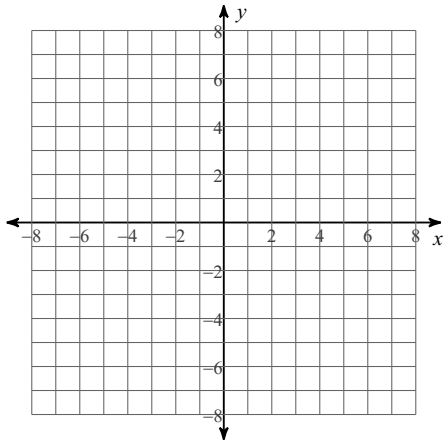
10) $g(x) = \begin{cases} -x - 4, & x < 0 \\ 4 - x^2, & x \geq 0 \end{cases}$



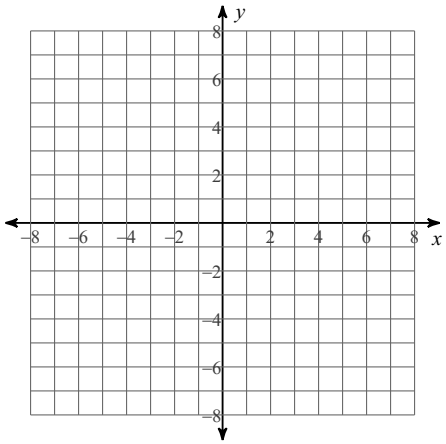
11) $w(x) = \begin{cases} (x+2)^2, & x \leq -1 \\ 4 - x^2, & x > -1 \end{cases}$



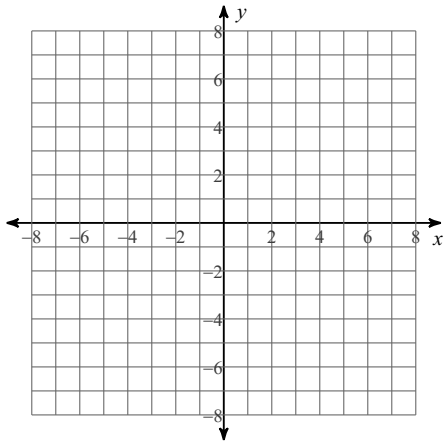
12) $f(x) = \begin{cases} -2x, & x \leq 3 \\ x - 1, & x > 3 \end{cases}$



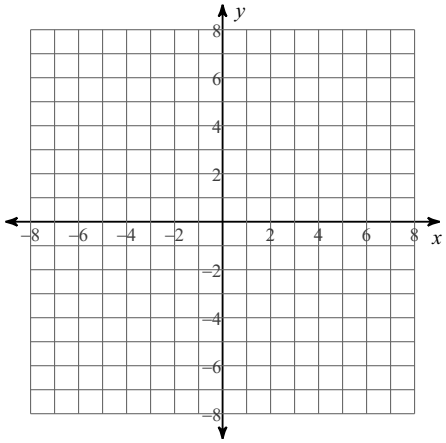
13) $g(x) = \begin{cases} (x-4)^2, & x \le 4 \\ x-4, & x > 4 \end{cases}$



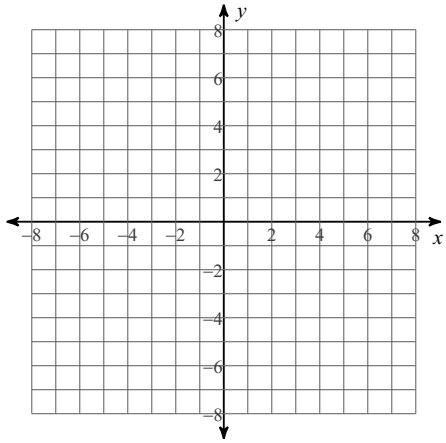
14) $f(x) = \begin{cases} x+3, & x \le -4 \\ (x+3)^2, & x > -4 \end{cases}$



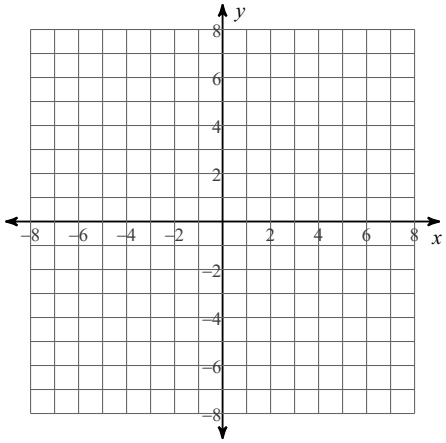
15) $g(x) = \begin{cases} -2x+4, & x < 3 \\ (x-4)^2, & x \ge 3 \end{cases}$



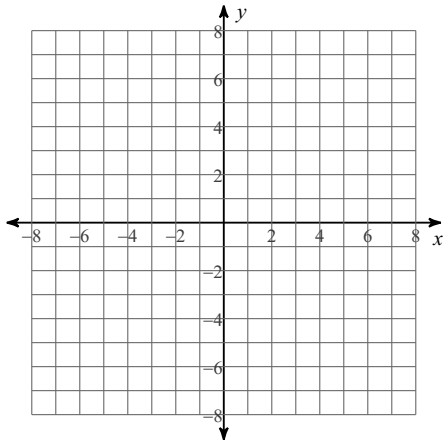
16) $f(x) = \begin{cases} x-3, & x < 0 \\ 4-x^2, & x \ge 0 \end{cases}$



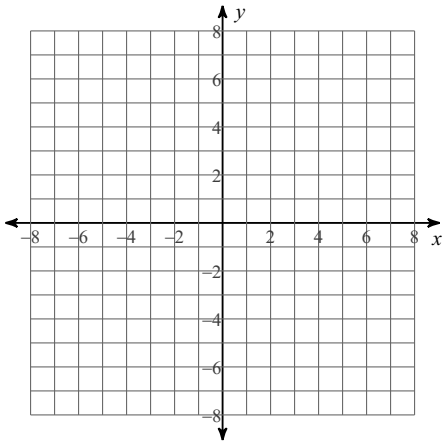
17) $f(x) = \begin{cases} (x+5)^2, & x < -4 \\ -2x-4, & x \ge -4 \end{cases}$



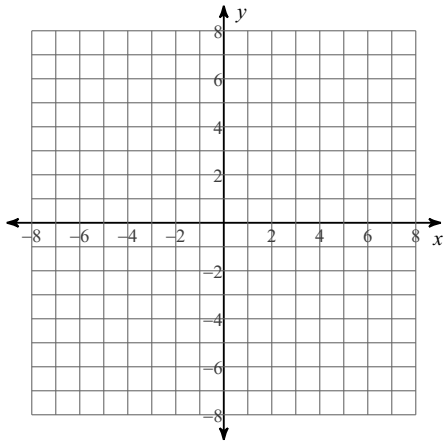
18) $f(x) = \begin{cases} (x+4)^2, & x < -4 \\ (x+3)^2, & x \ge -4 \end{cases}$



19) $h(x) = \begin{cases} (x+4)^2, & x \le -4 \\ -2x - 2, & x > -4 \end{cases}$



20) $w(x) = \begin{cases} x + 3, & x \le 0 \\ 2x - 4, & x > 0 \end{cases}$



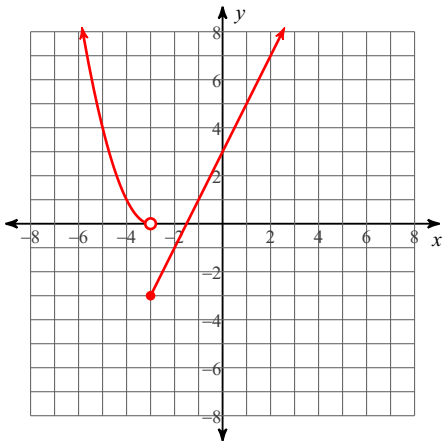
Precalculus Name_____ ID: 1

Assignment

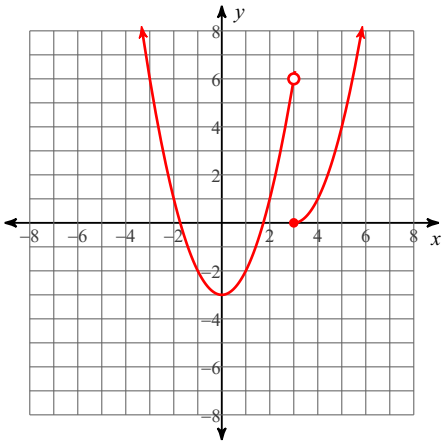
Date_____ Period____

Sketch the graph of each function.

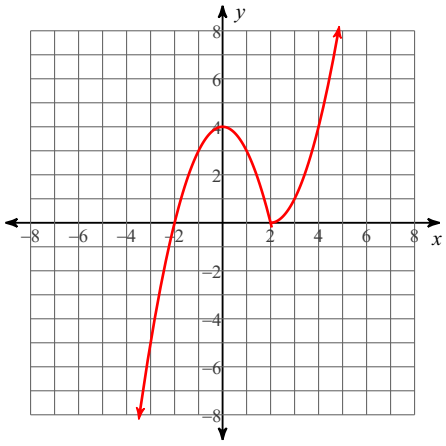
1) $f(x) = \begin{cases} (x+3)^2, & x < -3 \\ 2x+3, & x \geq -3 \end{cases}$



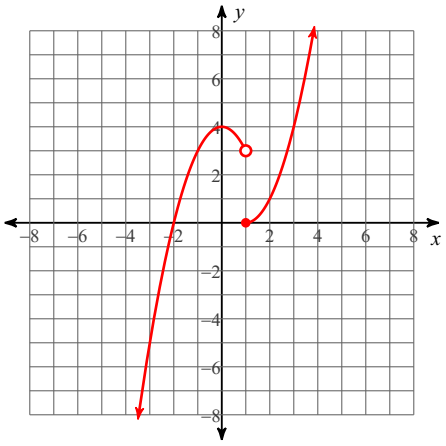
2) $g(x) = \begin{cases} x^2 - 3, & x < 3 \\ (x-3)^2, & x \geq 3 \end{cases}$



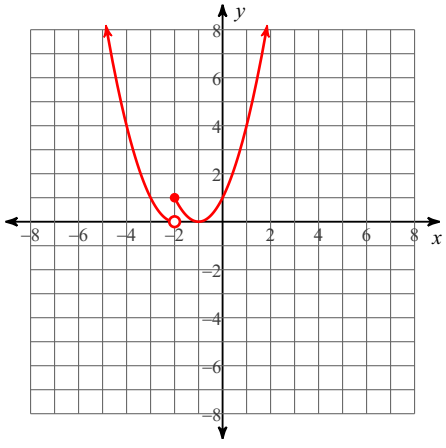
3) $f(x) = \begin{cases} 4 - x^2, & x < 2 \\ (x-2)^2, & x \geq 2 \end{cases}$



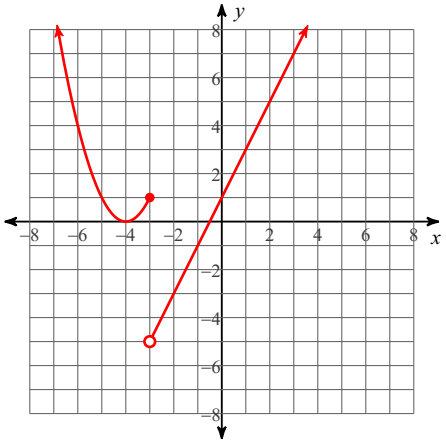
4) $f(x) = \begin{cases} 4 - x^2, & x < 1 \\ (x-1)^2, & x \geq 1 \end{cases}$



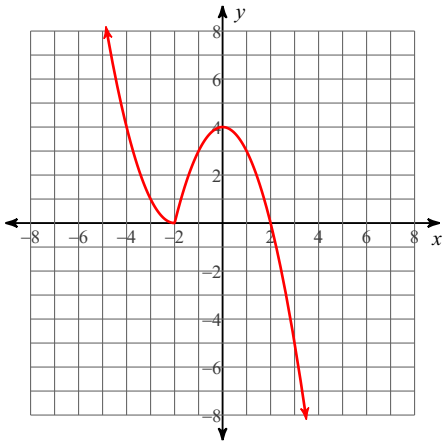
5) $g(x) = \begin{cases} (x+2)^2, & x < -2 \\ (x+1)^2, & x \geq -2 \end{cases}$



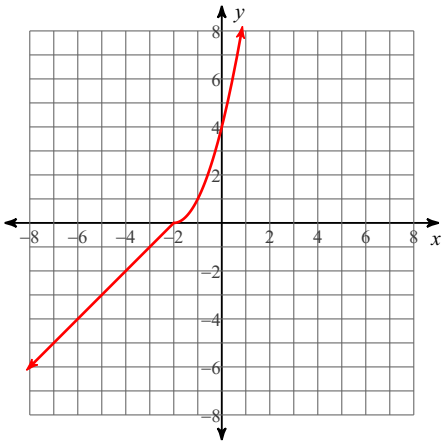
6) $f(x) = \begin{cases} (x+4)^2, & x \leq -3 \\ 2x+1, & x > -3 \end{cases}$



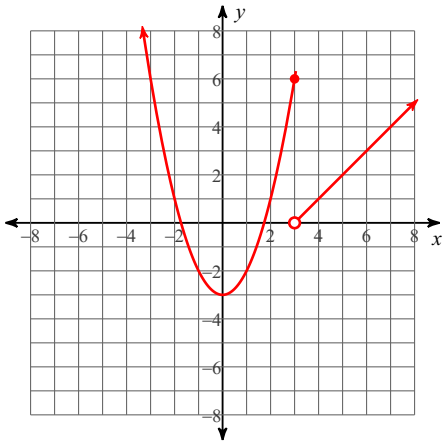
7) $g(x) = \begin{cases} (x+2)^2, & x < -2 \\ 4 - x^2, & x \geq -2 \end{cases}$



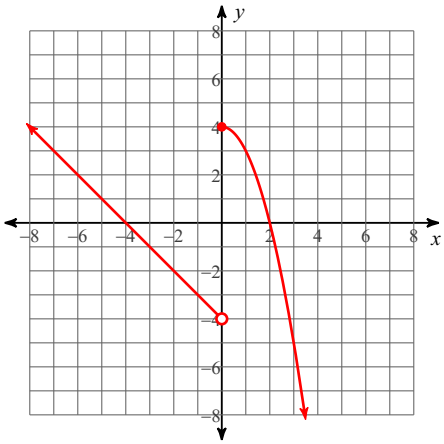
8) $g(x) = \begin{cases} x + 2, & x < -2 \\ (x+2)^2, & x \geq -2 \end{cases}$



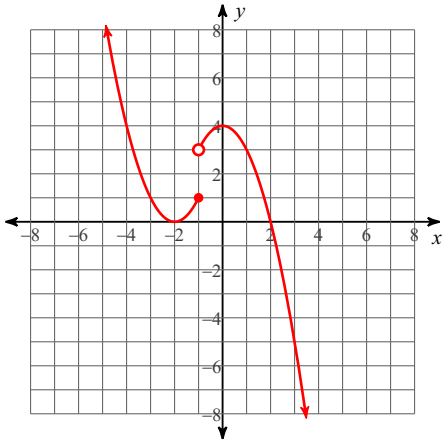
9) $g(x) = \begin{cases} x^2 - 3, & x \leq 3 \\ x - 3, & x > 3 \end{cases}$



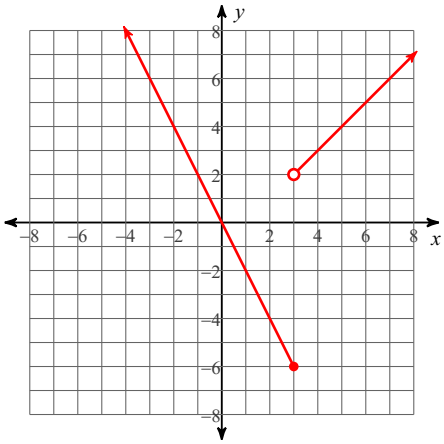
10) $g(x) = \begin{cases} -x - 4, & x < 0 \\ 4 - x^2, & x \geq 0 \end{cases}$



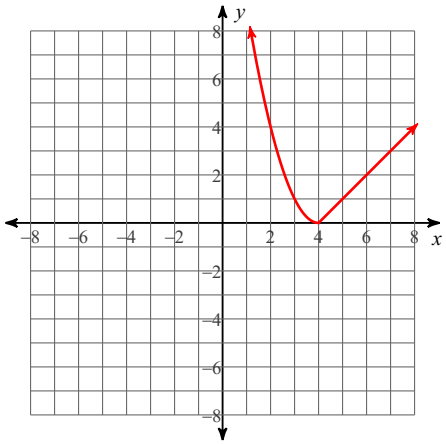
11) $w(x) = \begin{cases} (x+2)^2, & x \leq -1 \\ 4 - x^2, & x > -1 \end{cases}$



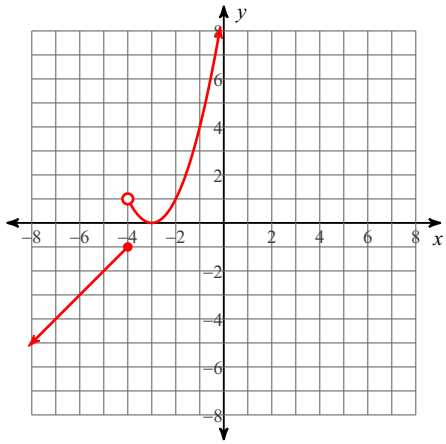
12) $f(x) = \begin{cases} -2x, & x \leq 3 \\ x - 1, & x > 3 \end{cases}$



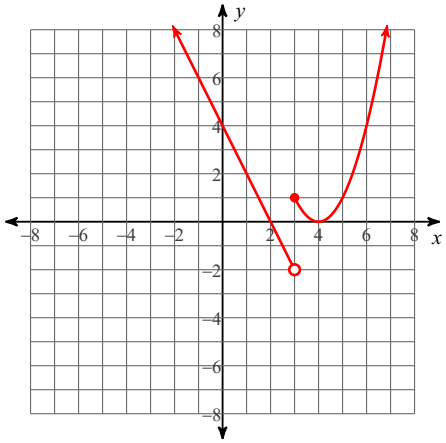
13) $g(x) = \begin{cases} (x-4)^2, & x \le 4 \\ x-4, & x > 4 \end{cases}$



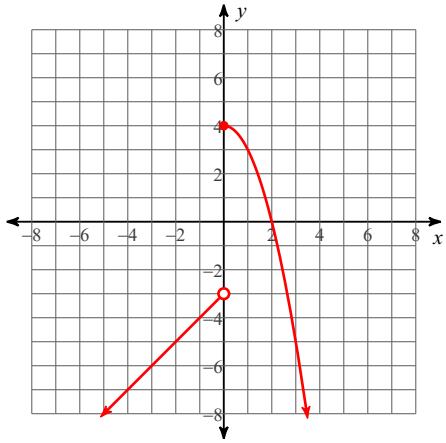
14) $f(x) = \begin{cases} x+3, & x \le -4 \\ (x+3)^2, & x > -4 \end{cases}$



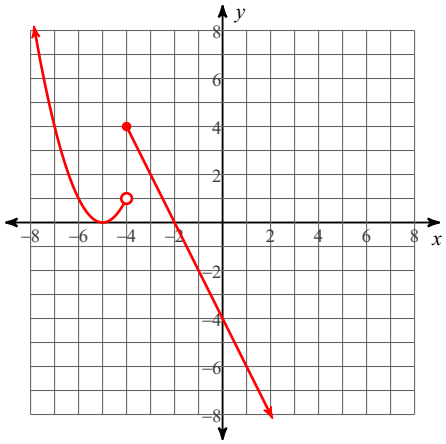
15) $g(x) = \begin{cases} -2x+4, & x < 3 \\ (x-4)^2, & x \ge 3 \end{cases}$



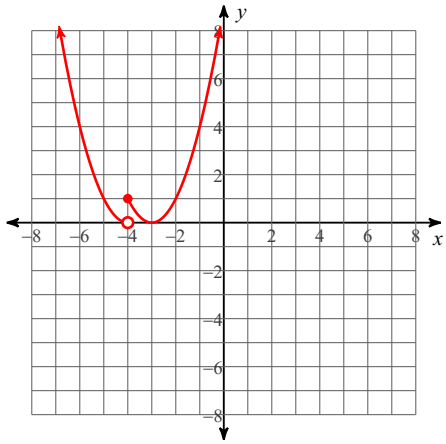
16) $f(x) = \begin{cases} x-3, & x < 0 \\ 4-x^2, & x \ge 0 \end{cases}$



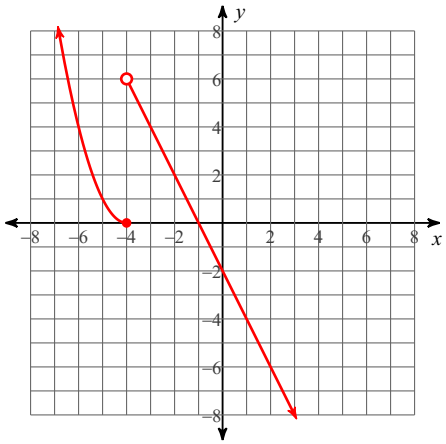
17) $f(x) = \begin{cases} (x+5)^2, & x < -4 \\ -2x-4, & x \ge -4 \end{cases}$



18) $f(x) = \begin{cases} (x+4)^2, & x < -4 \\ (x+3)^2, & x \ge -4 \end{cases}$



19) $h(x) = \begin{cases} (x+4)^2, & x \le -4 \\ -2x - 2, & x > -4 \end{cases}$



20) $w(x) = \begin{cases} x + 3, & x \le 0 \\ 2x - 4, & x > 0 \end{cases}$