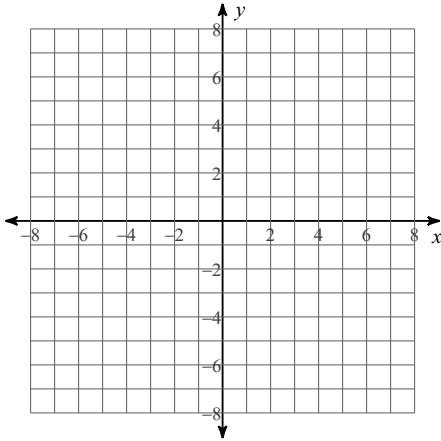


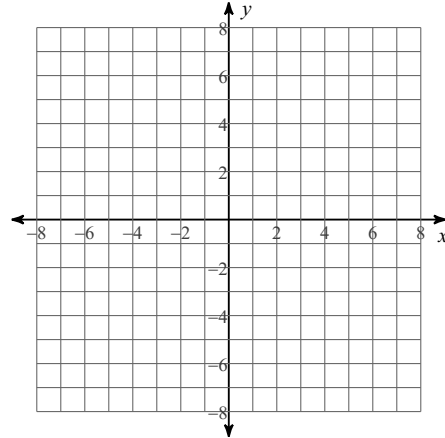
PIECEWISE FUNCTIONS QUADRATIC, RADICAL AND LINEAR Period \_\_\_\_\_

Sketch the graph of each function.

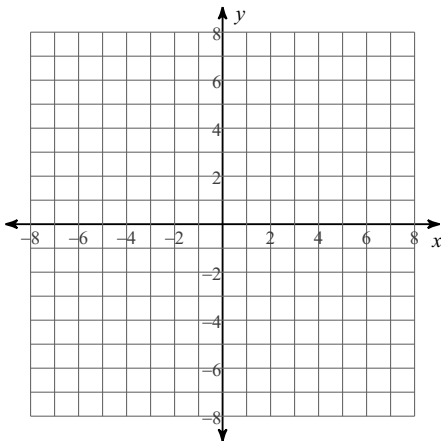
$$1) f(x) = \begin{cases} -x - 4, & x \leq -3 \\ -2, & -3 < x < 1 \\ x, & x \geq 1 \end{cases}$$



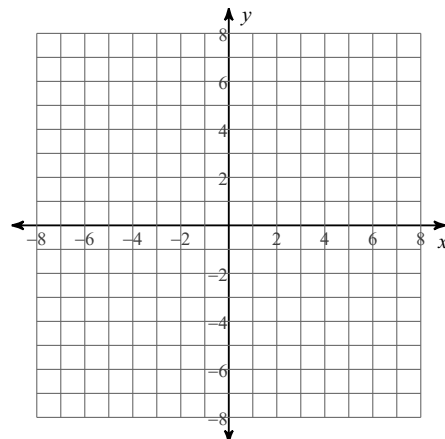
$$2) g(x) = \begin{cases} x - 2, & x \leq 1 \\ -5, & x > 1 \end{cases}$$



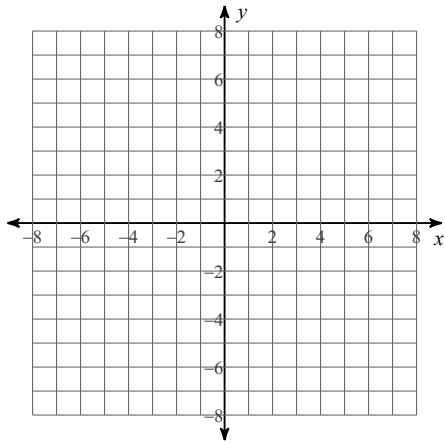
$$3) g(x) = \begin{cases} -4, & x < -2 \\ 2 + \sqrt{x}, & -2 \leq x \leq 4 \\ \sqrt{x+4}, & x > 4 \end{cases}$$



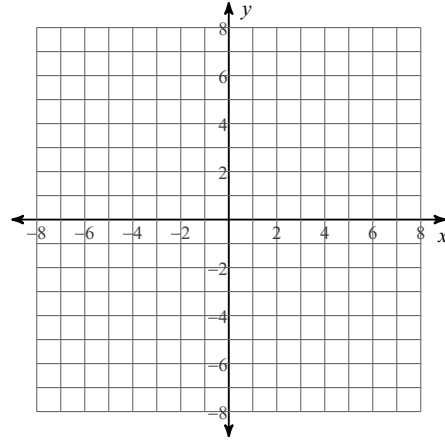
$$4) h(x) = \begin{cases} (x + 5)^2, & x \leq -4 \\ x - 2, & x > -4 \end{cases}$$



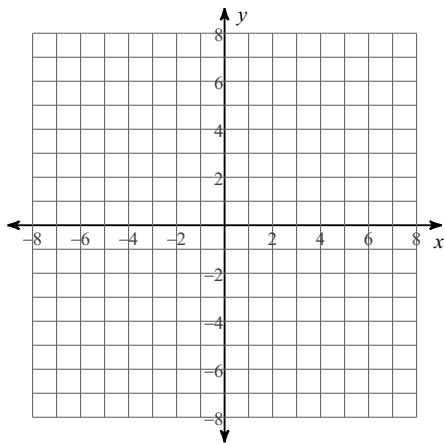
$$5) f(x) = \begin{cases} (x+2)^2, & x < -2 \\ -x-2, & -2 \leq x \leq 3 \\ \sqrt{x+3}, & x > 3 \end{cases}$$



$$6) f(x) = \begin{cases} 4, & x \leq 3 \\ \sqrt{x}, & x > 3 \end{cases}$$



$$7) w(x) = \begin{cases} 4-x^2, & x \leq 0 \\ \sqrt{x}, & x > 0 \end{cases}$$



$$8) h(x) = \begin{cases} (x+2)^2, & x \leq -1 \\ -3, & x > -1 \end{cases}$$

