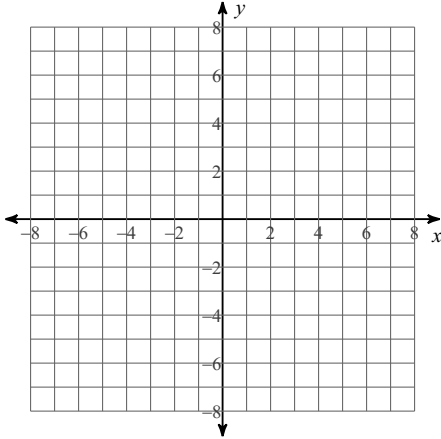
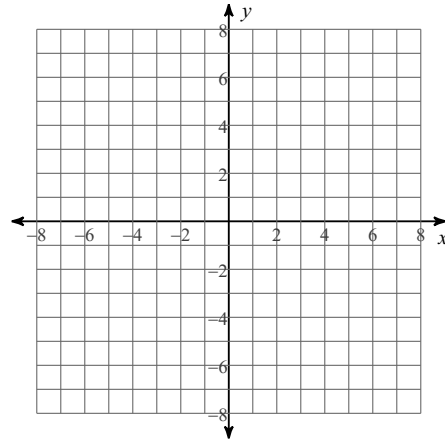


Sketch the graph of each function.

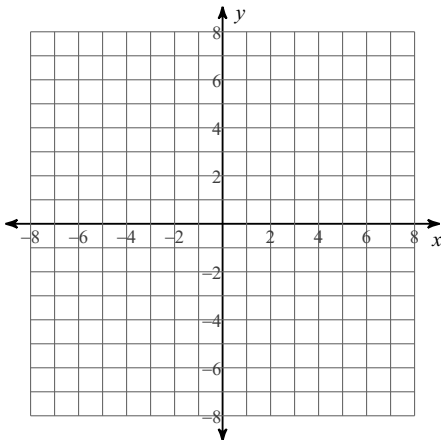
$$1) h(x) = \begin{cases} 6, & x < 0 \\ \frac{1}{x}, & x \geq 0 \end{cases}$$



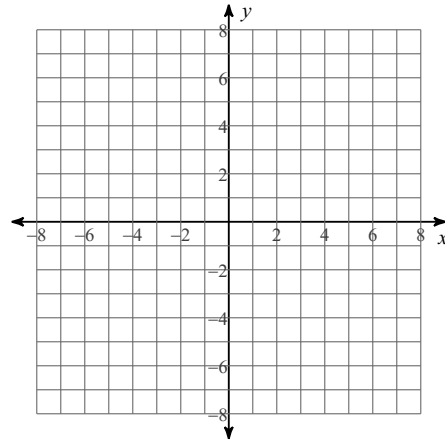
$$2) f(x) = \begin{cases} \sqrt{-2x}, & x \leq -1 \\ 2x - 1, & x > -1 \end{cases}$$



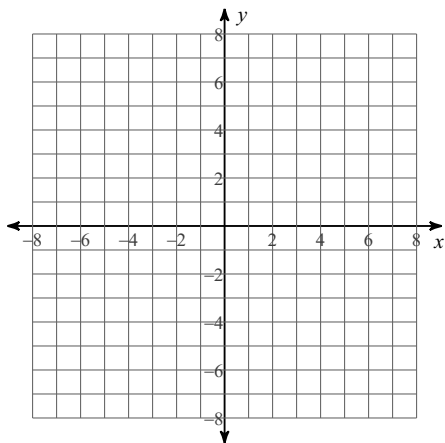
$$3) f(x) = \begin{cases} |x + 2|, & x \leq -1 \\ \log x + 3, & x > 1 \end{cases}$$



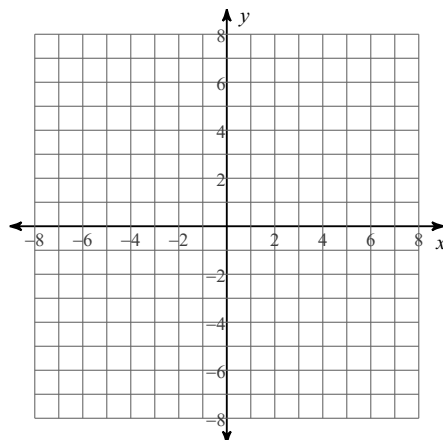
$$4) g(x) = \begin{cases} -x - 3, & x < 1 \\ 2, & x \geq 3 \end{cases}$$



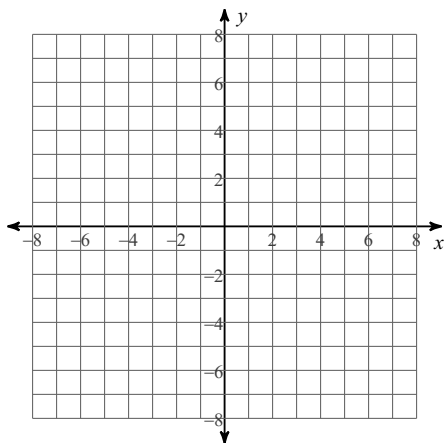
$$5) g(x) = \begin{cases} \frac{|x|}{2}, & x < -2 \\ 3, & -2 \leq x \leq 4 \\ \frac{1}{x} - 4, & x > 4 \end{cases}$$



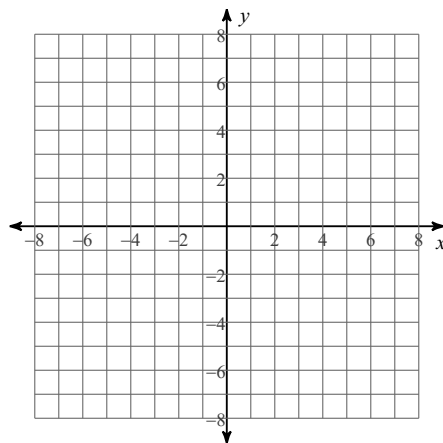
$$6) w(x) = \begin{cases} (x+1)^2, & x \leq -1 \\ -|x|, & -1 < x < 4 \\ -6, & x \geq 4 \end{cases}$$



$$7) g(x) = \begin{cases} \frac{1}{x}, & x < -4 \\ 3^x - 4, & x > -4 \end{cases}$$



$$8) w(x) = \begin{cases} x+4, & x < -3 \\ 2^x - 4, & -3 \leq x \leq 2 \\ (x-2)^2, & x > 2 \end{cases}$$



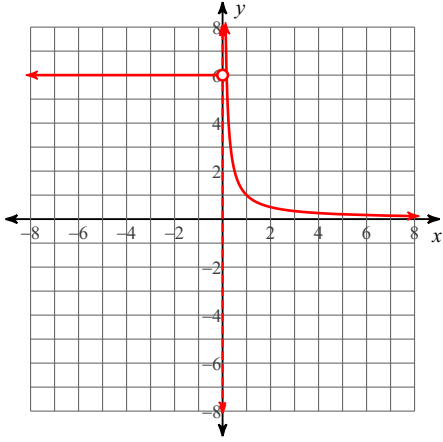
Evaluate for each function for f(4).

$$9) f(x) = \begin{cases} -x - 2, & x < -4 \\ 4, & x \geq -4 \end{cases}$$

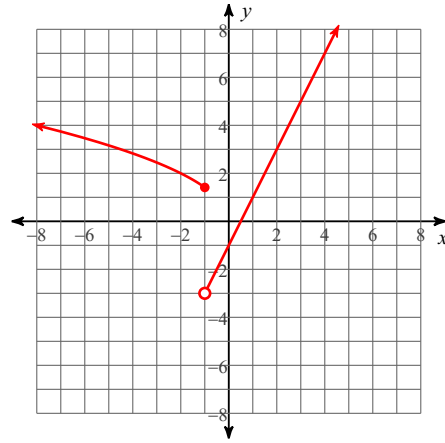
$$10) f(x) = \begin{cases} x+2, & x < -4 \\ 2x+2, & -4 \leq x \leq 0 \\ 4-x^2, & x > 0 \end{cases}$$

Sketch the graph of each function.

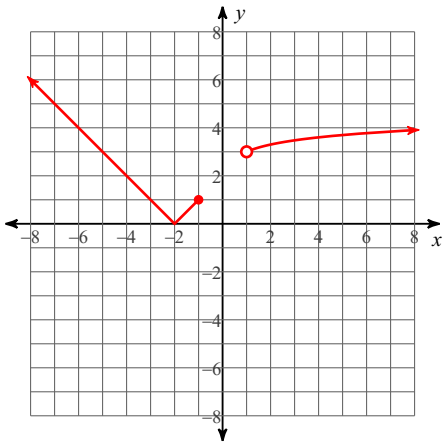
$$1) h(x) = \begin{cases} 6, & x < 0 \\ \frac{1}{x}, & x \geq 0 \end{cases}$$



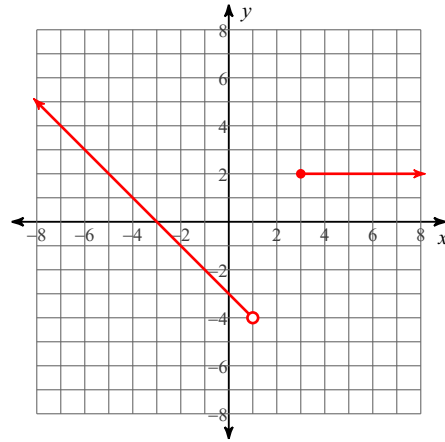
$$2) f(x) = \begin{cases} \sqrt{-2x}, & x \leq -1 \\ 2x - 1, & x > -1 \end{cases}$$



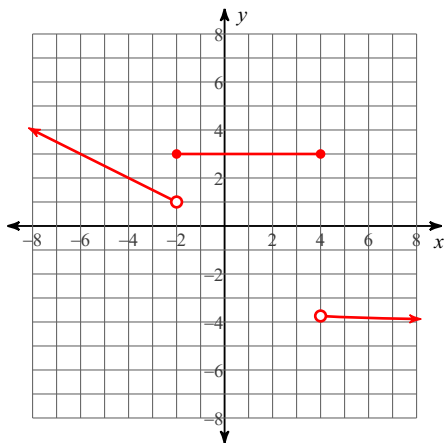
$$3) f(x) = \begin{cases} |x + 2|, & x \leq -1 \\ \log x + 3, & x > 1 \end{cases}$$



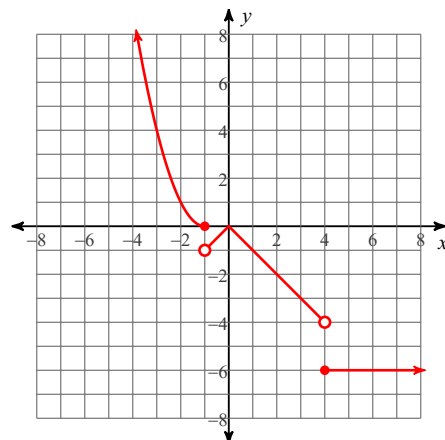
$$4) g(x) = \begin{cases} -x - 3, & x < 1 \\ 2, & x \geq 3 \end{cases}$$



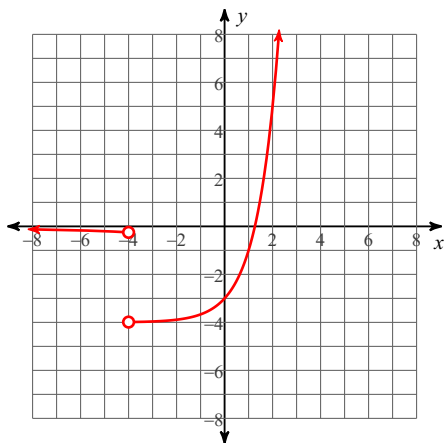
$$5) g(x) = \begin{cases} \frac{|x|}{2}, & x < -2 \\ 3, & -2 \leq x \leq 4 \\ \frac{1}{x} - 4, & x > 4 \end{cases}$$



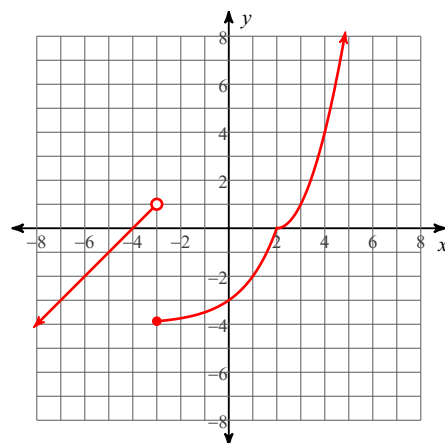
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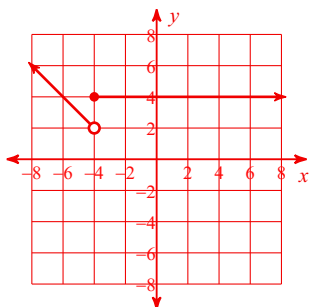


$$8) w(x) = \begin{cases} x + 4, & x < -3 \\ 2^x - 4, & -3 \leq x \leq 2 \\ (x-2)^2, & x > 2 \end{cases}$$



Evaluate for each function for $f(4)$.

$$9) f(x) = \begin{cases} -x - 2, & x < -4 \\ 4, & x \geq -4 \end{cases}$$



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