

Name : _____

Score : _____

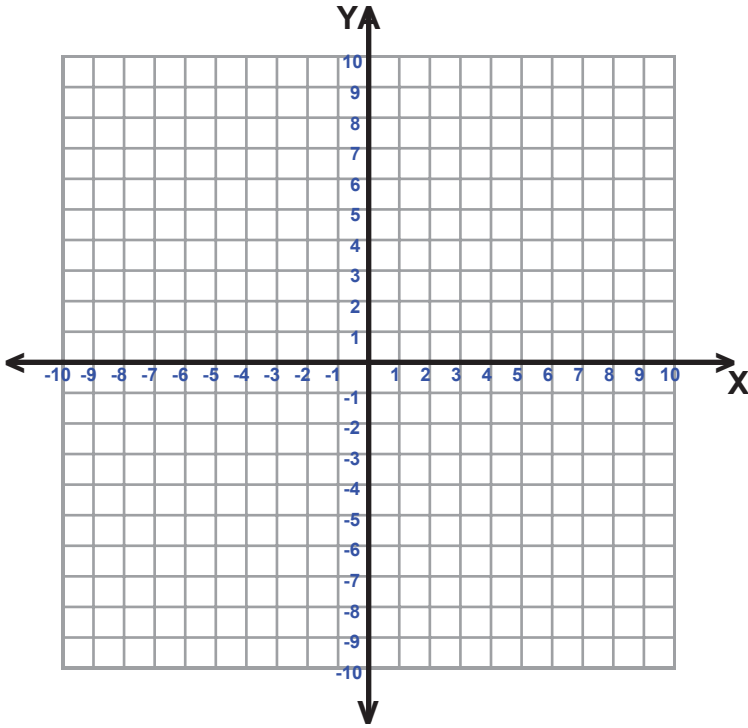
Teacher : _____

Date : _____

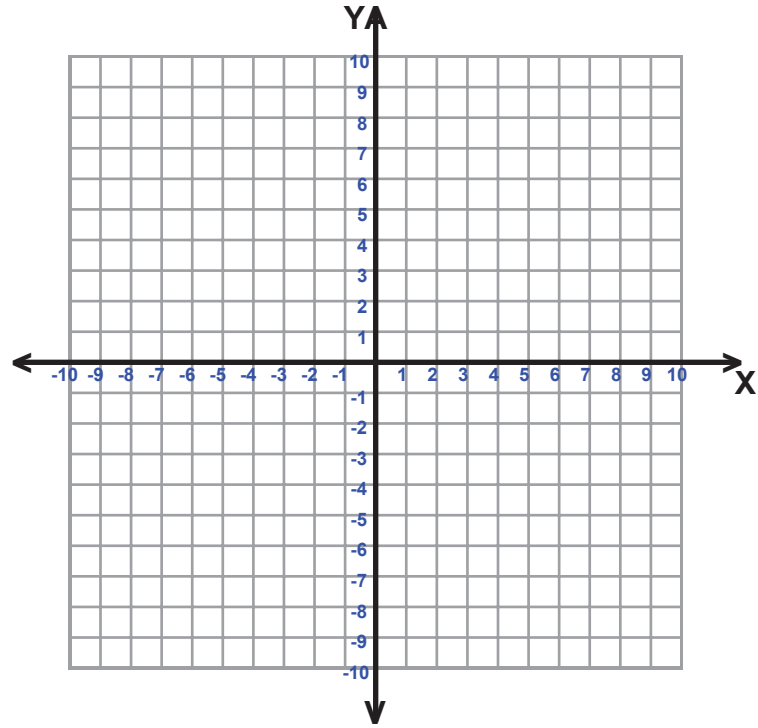
Graphing Inverses

Find each function's inverse. Then graph the function and its inverse.

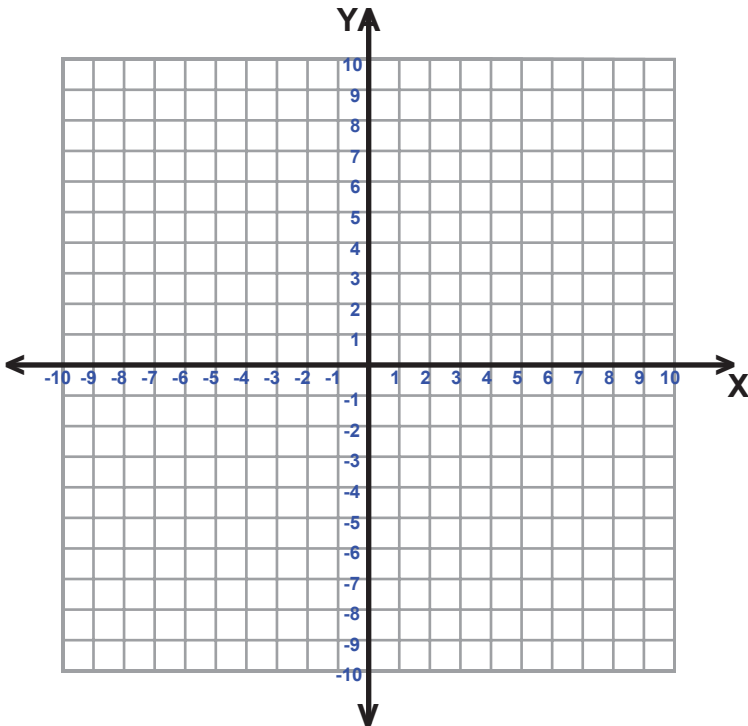
1) $f(x) = -4(x + 1)^3$



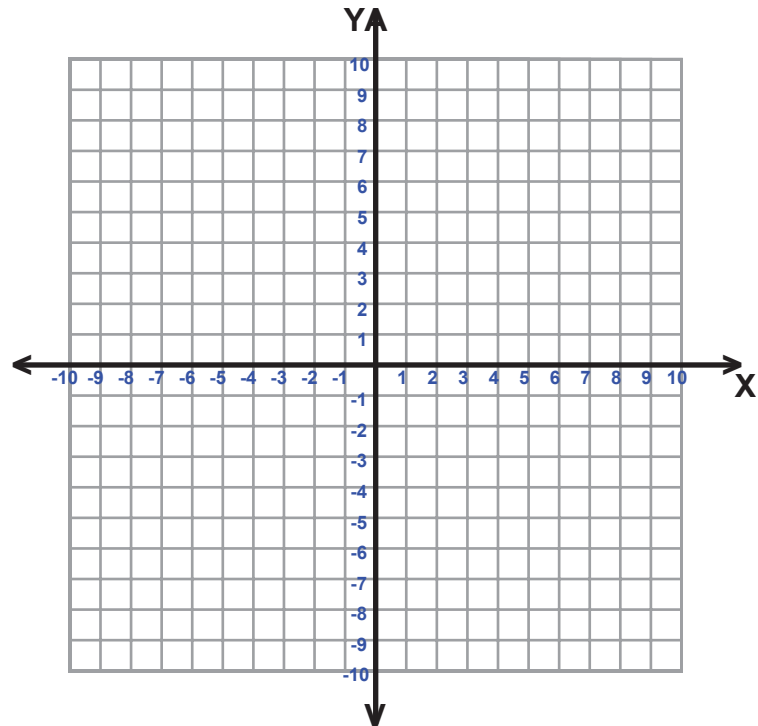
2) $f(x) = 4(x + 2)^3$



3) $f(x) = -5x - 3$



4) $f(x) = 4x$



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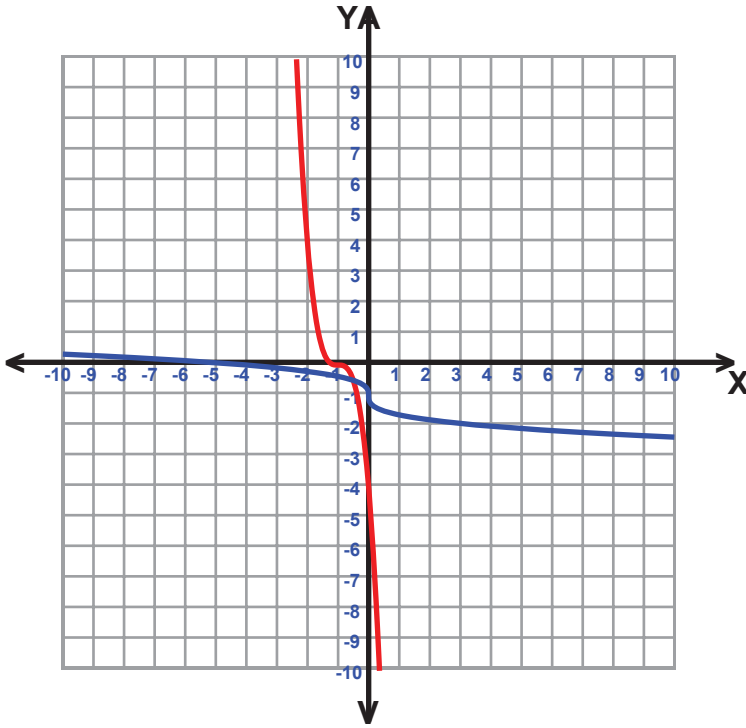
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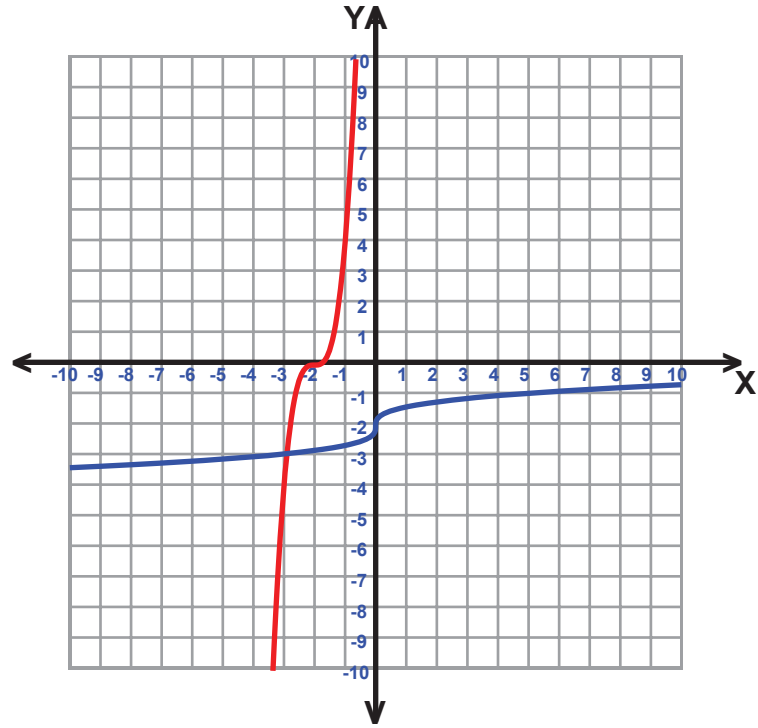
Graphing Inverses

Find each function's inverse. Then graph the function and its inverse.

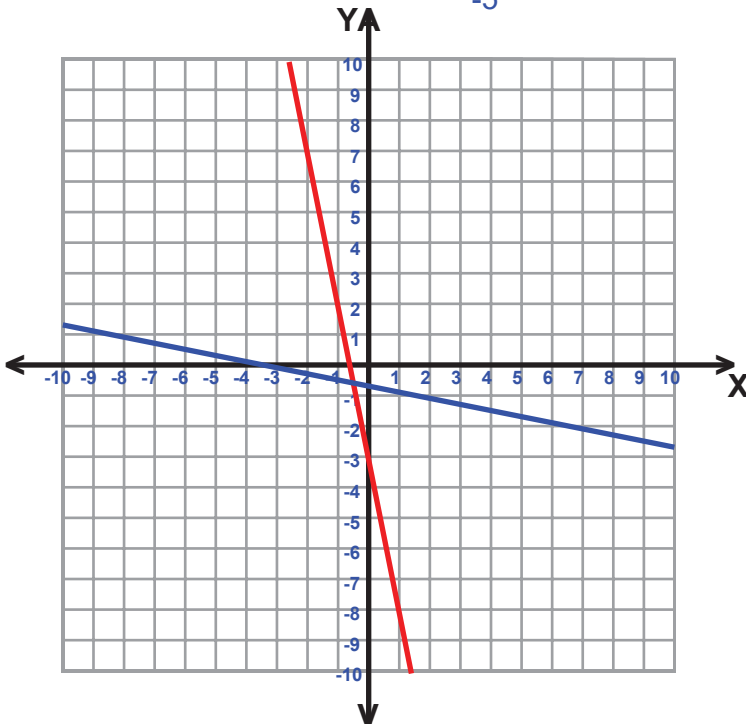
1) $f(x) = -4(x + 1)^3$ $f^{-1} = \left(\frac{x}{-4}\right)^{\frac{1}{3}} - 1$



2) $f(x) = 4(x + 2)^3$ $f^{-1} = \left(\frac{x}{4}\right)^{\frac{1}{3}} - 2$



3) $f(x) = -5x - 3$ $f^{-1} = \frac{x+3}{-5}$



4) $f(x) = 4x$ $f^{-1} = \frac{x}{4}$

