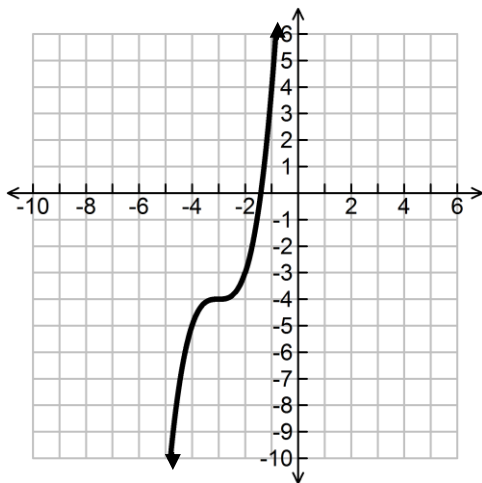


Algebra II Original Problem

The student is expected to analyze the effect on the graphs of $f(x) = x^3$ and $f(x) = \sqrt[3]{x}$ when $f(x)$ is replaced by $af(x)$, $f(bx)$, $f(x - c)$, and $f(x) + d$ for specific positive and negative real values of a , b , c , and d . 2A(6)(A)

1. Write the equation for the function graphed below.



2. Graph the function $f(x) = \frac{1}{2}(x - 2)^3 + 4$ on the grid provided.

