Writing Equations given the transformaions:

1. The parent function $f(x) = \sqrt{x}$ is $\sqrt{66}$ reflected across the x-axis, stretched vertically by a factor of 4, and translated i unit up

- curbed root
- 2. The parent function $f(x) = \sqrt[3]{x}$ is stretched horizontally by a factor of 2. reflected across the y-axis, and translated 3 units left

you also have *must include (

Graphing Radicals with transformation. Use your graphing calculator to plot points. * Calc. may look like it

1. $f(x) = \sqrt{x+6}$



Flx>=

2. f(x) = 3 √x has a qap * Vectical stretch by 3 v: (0,0)

0

3



You tryl

3.
$$f(x) = -\sqrt{x-3}$$

* reflect x-axis * down 3





f(x) = √x - 2 + 3





* A reflection on a cubed root would turn it into "back-stroke Swim"

Answers Practice 12 Graphing Rational Functions

Reza Nazari, Ava Ross

Answers Practice 12 Graphing Rational Functions:

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