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## GRAPHING RADICAL FUNCTIONS: Chapter 10 Review

Graph each radical function and describe its characteristics. Round irrational values to one decimal place.

$\qquad$ Date $\qquad$ Period $\qquad$

## GRAPHING RADICAL FUNCTIONS: Chapter 10 Review

Write the equation of the radical function.


Identify the parameters and describe what they have done to each graph as compared to the parent graph.

11]

$$
y=\frac{3}{2} \sqrt{-x+23}+3
$$

12]

$$
y=-\frac{2}{3} \sqrt[3]{x+23}-3
$$

Write the equation that meets the given description.

13] A radical function that has a center point at $(4,1)$ and passes through the point $\left(12, \frac{1}{3}\right)$.

14] A radical function that has a domain of $x \leq 8$ and a range of $y \geq 15$ that passes through the point $(-8,63)$.

15] A cube root function translated 6 units to the left and down half of a unit that passes through the point $(-7,-8.5)$.

