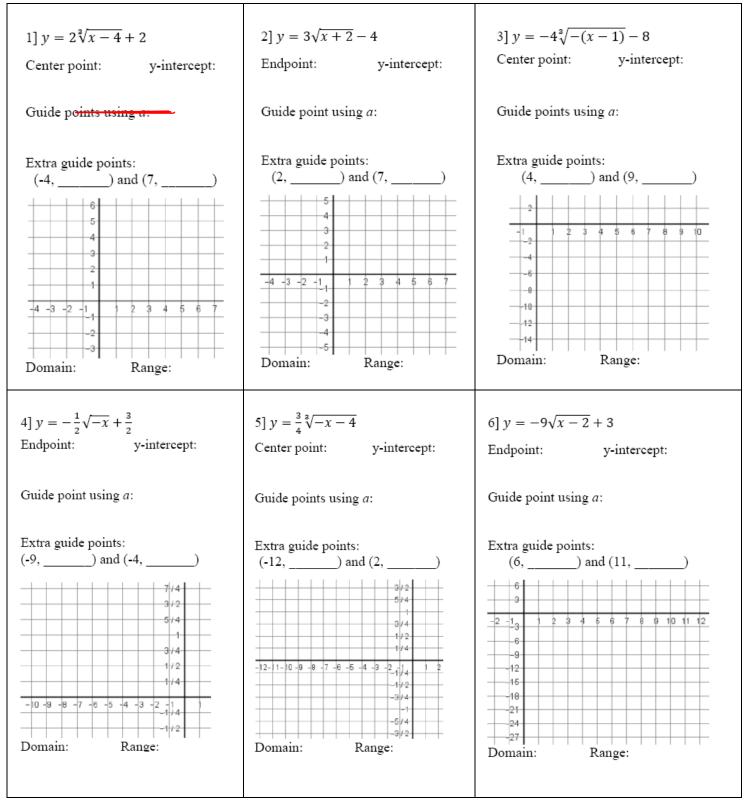
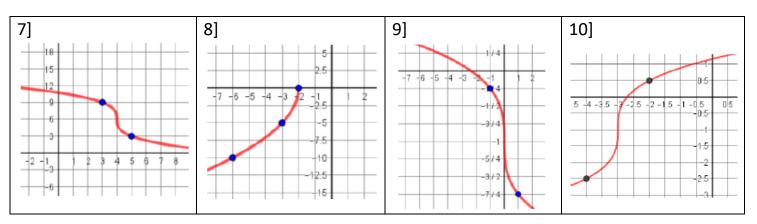
GRAPHING RADICAL FUNCTIONS: Chapter 10 Review

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



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 (12, $\frac{1}{3}$).
- 14] A radical function that has a domain of $x \le 8$ and a range of $y \ge 15$ 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).