

Graphing Radical Functions

Sketch the graph the following functions on a sheet of graph paper. Each function should have its own graph. Find and label the vertex.

1. $y = \sqrt{x-3}$

2. $y = -\sqrt{x}$

3. $y = \sqrt{x} + 2$

4. $y = \sqrt{-x}$

5. $y = \sqrt{x+3} - 2$

6. $y = -\sqrt{x-2}$

7. $y = \sqrt[3]{x} - 4$

8. $y = -\sqrt[3]{x}$

9. $y = \sqrt[3]{-x}$

10. $y = \sqrt[3]{x+3} + 1$

11. $y = \sqrt[3]{x-2} + 1$

12. $y = -\sqrt[3]{x+2}$