

## Trig/Precal Ch 1

### Graphing Radical Functions

Graph the following functions on a sheet of graph paper. Each function should have its own graph. Find and label the point of origin, y intercept, x intercepts, range, domain.

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

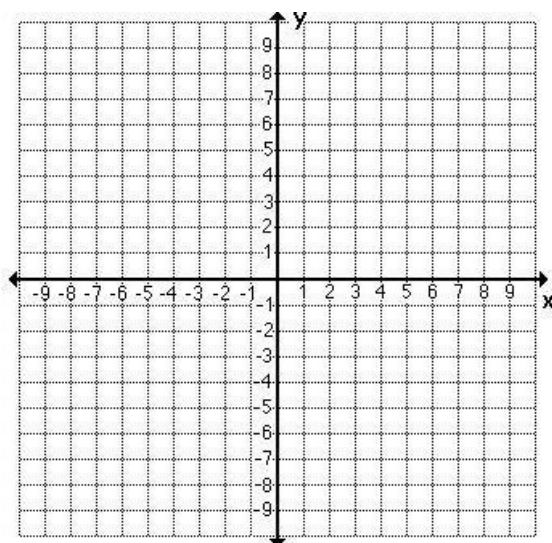
9.  $y = \sqrt[3]{-x}$

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

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

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

Each graph should like this. One function per graph please. You may use graph paper or print out pages from the website for this.



**Standard Form:**

**Point of origin:**

**Y-Intercept:**

**X-Intercept:**

**Range:**

**Domain:**