

**PROBLEM SET 7-8**  
(Graphing Radical Functions)

**Graph each function.**

1.  $y = \sqrt{x} + 1$

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

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

4.  $y = \sqrt{x+6}$

5.  $y = 3\sqrt{x}$

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

7.  $y = \frac{2}{5}\sqrt{x}$

8.  $y = 3\sqrt{x+1} + 4$

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

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

11.  $y = -2\sqrt{x+4} - 5$

12.  $y = \frac{1}{4}\sqrt{x+2} - 1$

13.  $y = \sqrt[3]{x+5}$

14.  $y = \sqrt[3]{x+2} - 7$

15.  $y = -2\sqrt[3]{x-4}$