## Algebra RH

## Solve for x in each absolute value equation

**1.** 
$$|x+7| = 4$$
 **2.**  $\frac{1}{2}|x-1|+5=9$  **3.**  $|3x-1| = x+3$  **4.**  $|4x|+11=3$ 

5. Graph each absolute value function below. State the domain and range for each function.





Solve for x in each square root equation

6. 
$$\sqrt{x} = 8$$
 7.  $\sqrt{\frac{3x}{2}} = 4$  8.  $\sqrt{5x - 1} - 7 = 0$  9.  $\sqrt{3x + 4} = \sqrt{x - 6}$ 

**10.** Graph each square root function below. State the domain and range for each function.



