

## Solve Systems using HRVWN

Use HRVWN to graph each function. Give the solutions to each system.

1)  $y = x^2$   
 $y = 2x$

2)  $y = |x|$   
 $y = 4$

3)  $y = \sqrt{x}$   
 $y = x$

4)  $y = -|x|$   
 $y = 2$

5)  $y = \sqrt{x} + 2$   
 $y = |x + 2|$

6)  $y = -x^2 + 2$   
 $y = 2|x|$

7)  $y = -\sqrt{x}$   
 $x = 3$

8)  $y = -\sqrt{x}$   
 $y = |x| - 2$

9)  $y = -x^2 + 2$   
 $y = -2$

10)  $y = x^2 + 1$   
 $y = -|x| - 5$

11)  $y = x^2$   
 $y = 2|x|$

12)  $y = -x^2$   
 $y = x - 2$

13)  $y = -\sqrt{x-2}$   
 $y = |x| - 1$

14)  $y = 1/2|x| - 3$   
 $y = \sqrt{x} - 3$

15)  $y = 2/3x + 1$   
 $y = -x - 4$

16)  $y = 1/3/x$   
 $y = |x - 4|$

17)  $y = |x - 2|$   
 $y = -\sqrt{x}$

18)  $y = \sqrt{x-1} + 4$   
 $y = |x - 3| + 4$

19)  $y = (x + 3)^2 + 2$   
 $y = \sqrt{x+4} + 1$

20)  $y = |x - 2| + 3$   
 $y = x + 1$