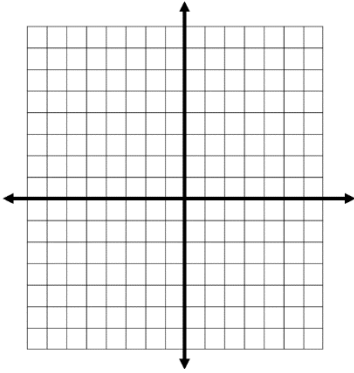


### 4.3 Graphing with Restricted Domains

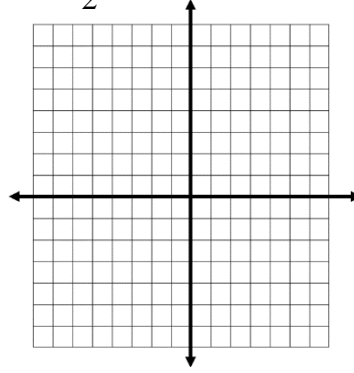
Name: \_\_\_\_\_ Hr: \_\_\_\_\_

Graph the following functions with their restricted domains.

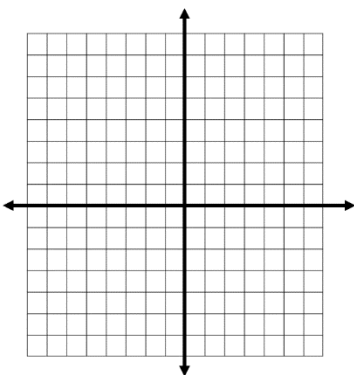
1.  $y = 2x + 1, x \leq 3$



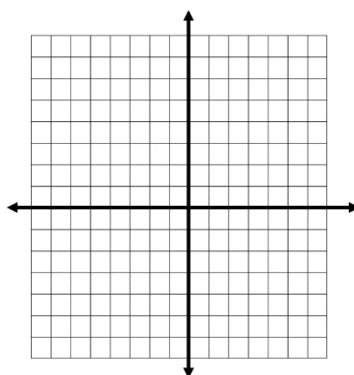
2.  $y = -\frac{1}{2}x + 3, x \geq 4$



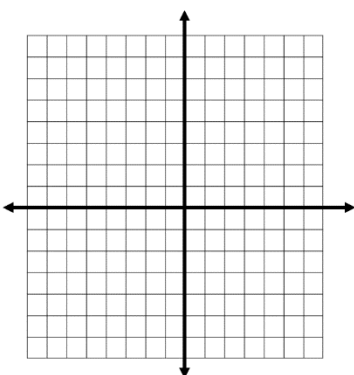
3.  $y = 3x - 5, -1 \leq x \leq 2$



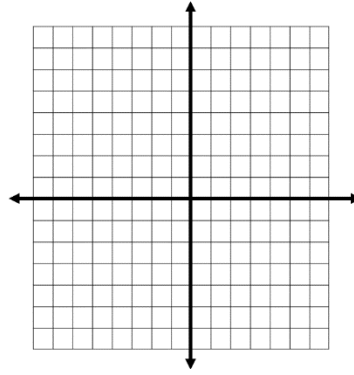
4.  $3x - 6y + 12 = 0, -3 \leq x < 4$



5.  $y = 5, -1 < x < 4$

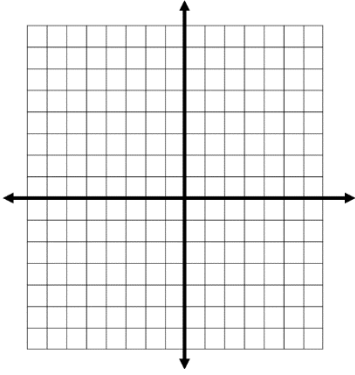


6.  $2y + x = 8, x \geq 0$

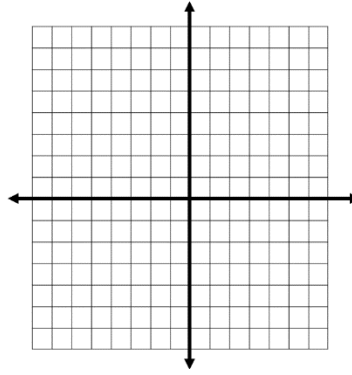


Graph the following functions with their restricted domains.

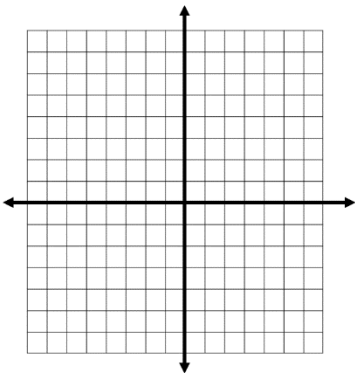
7.  $y = \sqrt{x+4}$ ,  $-4 \leq x \leq 0$



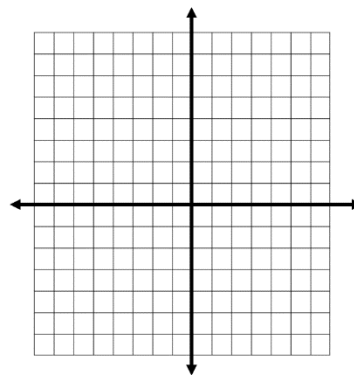
8.  $y = |x+2|$ ,  $0 \leq x \leq 3$



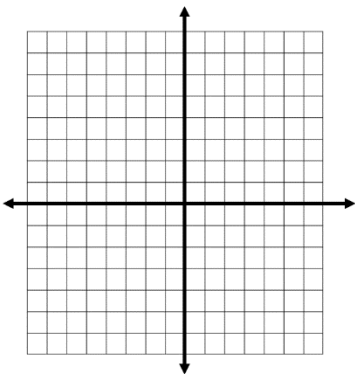
9.  $y = (x+1)^2 + 2$ ,  $x \geq -3$



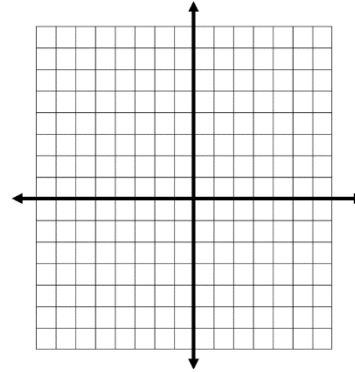
10.  $y = x^2 - 4$ ,  $x \geq 2$



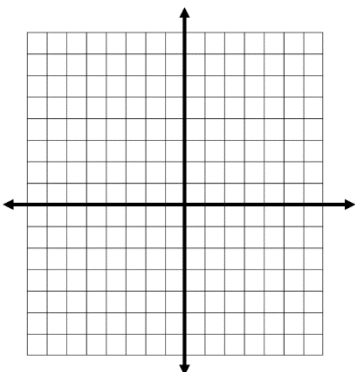
11.  $y = -|x-3| - 2$ ,  $1 < x \leq 5$



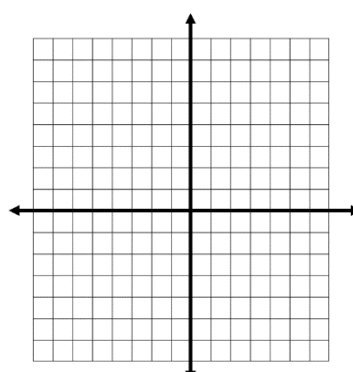
12.  $y = \sqrt{-x-4}$ ,  $-6 \leq x < -4$



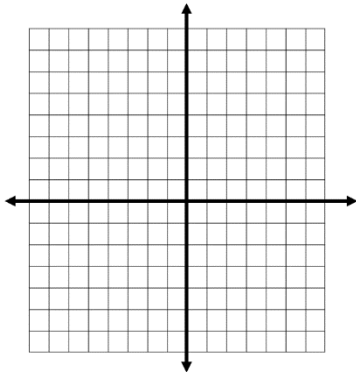
13.  $3x+9y-18=0$ ,  $-2 \leq x \leq 3$



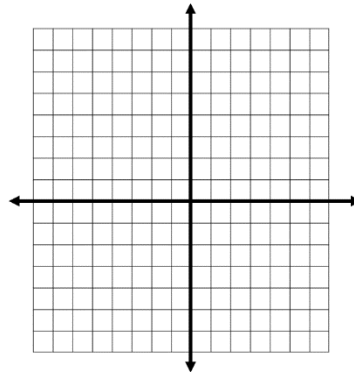
14.  $y = x^2 + 6x + 10$ ,  $-5 \leq x < -3$



15.  $y = -6, x \geq 2$

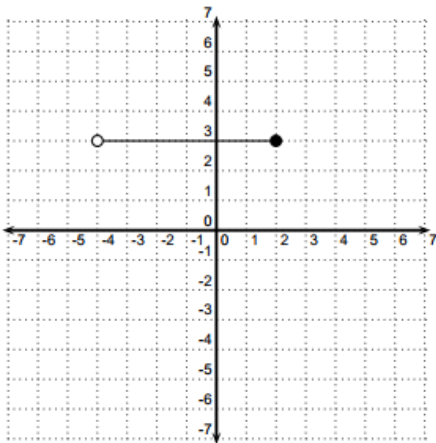


16.  $y = |x| - 5, 2 < x$

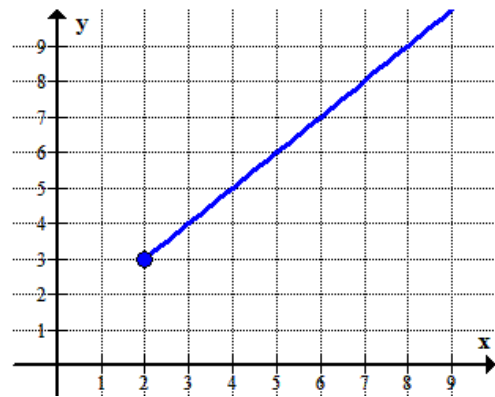


Write an equation with its restricted domain for each graph.

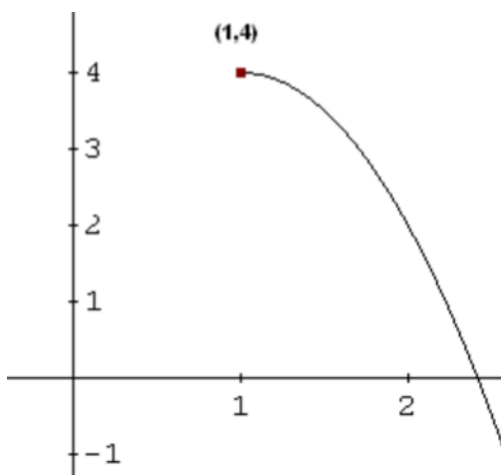
17.



18.



19.



20.

