

# Lesson 5.7 Worksheet

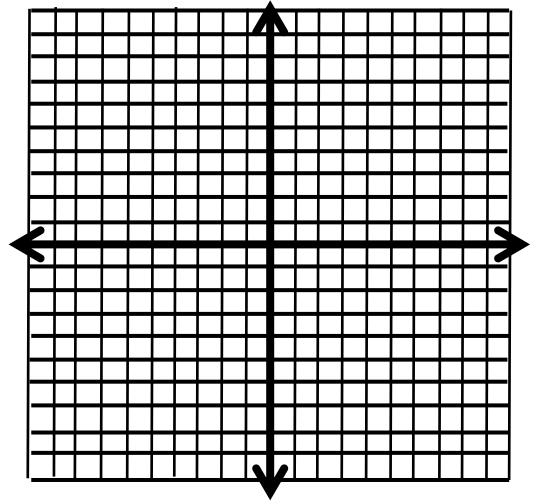
Graph each radical function, and identify the corresponding domain and range.

1)  $y = 5 + \sqrt{x}$

x	$y = 5 + \sqrt{x}$	(x, y)
0		
1		
4		
9		

Domain: \_\_\_\_\_

Range: \_\_\_\_\_

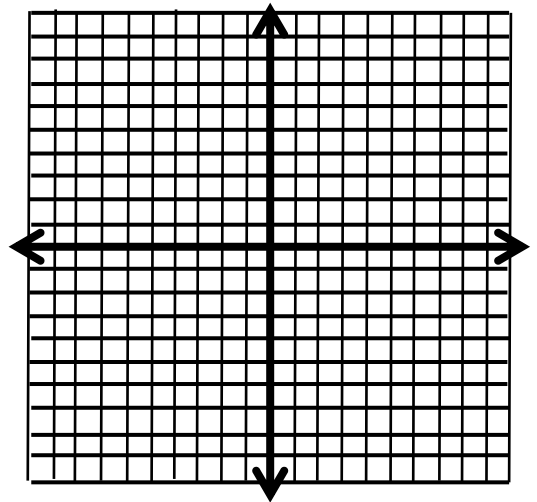


2)  $y = \sqrt{x + 6}$

x	$y = \sqrt{x + 6}$	(x, y)
-6		
-5		
-2		
3		
10		

Domain: \_\_\_\_\_

Range: \_\_\_\_\_

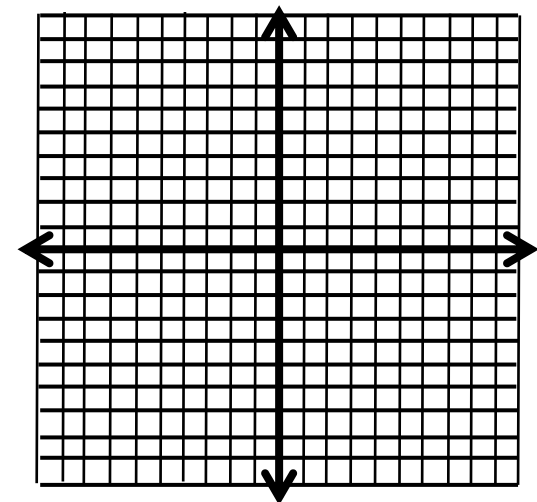


3)  $y = 3\sqrt{x + 4} - 5$

x	$y = 3\sqrt{x + 4} - 5$	(x, y)
-4		
-3		
0		
5		

Domain: \_\_\_\_\_

Range: \_\_\_\_\_

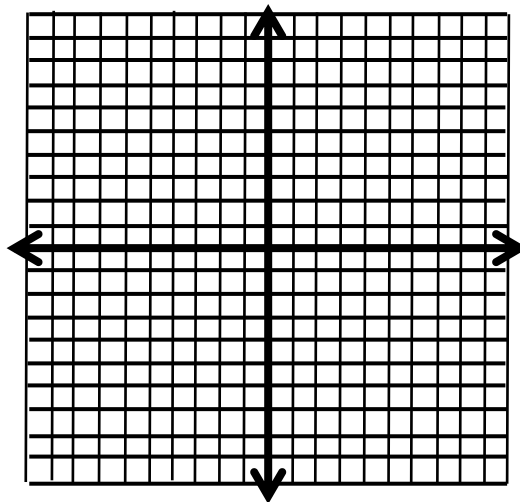


4)  $y = 5 + \sqrt[3]{x}$

$x$	$y = 5 + \sqrt[3]{x}$	$(x, y)$
-8		
-1		
0		
1		
8		

Domain: \_\_\_\_\_

Range: \_\_\_\_\_

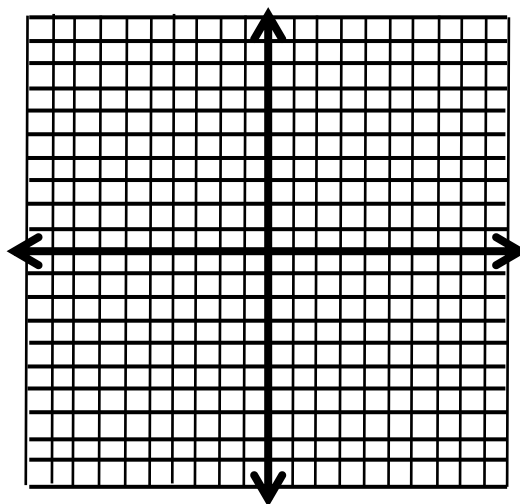


5)  $y = \sqrt[3]{x} - 4$

$x$	$y = \sqrt[3]{x} - 4$	$(x, y)$
-8		
-1		
0		
1		
8		

Domain: \_\_\_\_\_

Range: \_\_\_\_\_



6)  $y = \sqrt[3]{x+1}$

$x$	$y = \sqrt[3]{x+1}$	$(x, y)$
-9		
-2		
-1		
0		
7		

Domain: \_\_\_\_\_

Range: \_\_\_\_\_

