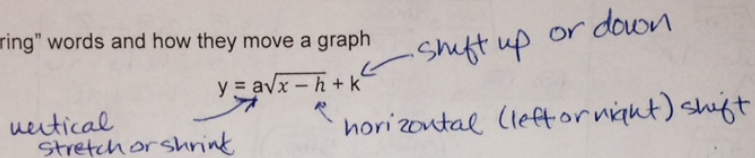


**SECTION 11.1**

Write all the "comparing" words and how they move a graph

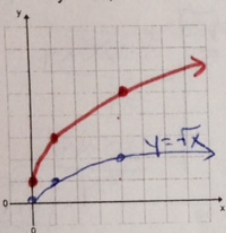


Graph the function and identify its domain and range. Compare the graph with the graph of  $y = \sqrt{x}$ .

$y = \sqrt{x}$

$y = 2\sqrt{x} + 1$

x	y
0	1
1	3
4	5

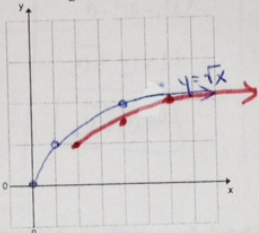


D  $x \geq 0$

R  $y \geq 1$

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

x	y
2	1
6	2
3	1.5



D  $x \geq 2$

R  $y \geq 1$

stretch of 2, shift up 1      shrink  $\frac{1}{2}$ , right 2, up 1

**PRIME FACTORIZATION**

Are the following numbers prime or composite? If composite, write one pair of numbers that multiplies up to it.

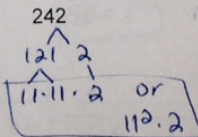
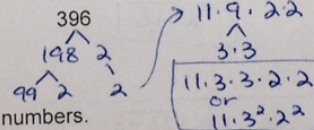
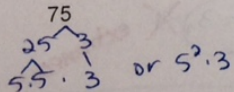
5  
prime

24  
composite  
2, 12   4, 6   8, 3

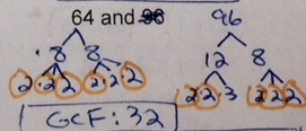
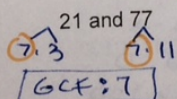
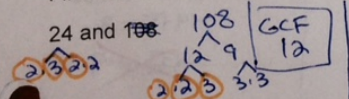
625  
composite  
5, 125   25, 25

713  
composite  
23, 31

Write the following composite numbers as a product of primes.



Find the GCF of the given pairs of numbers.



Find the LCM of the given pairs of numbers.

