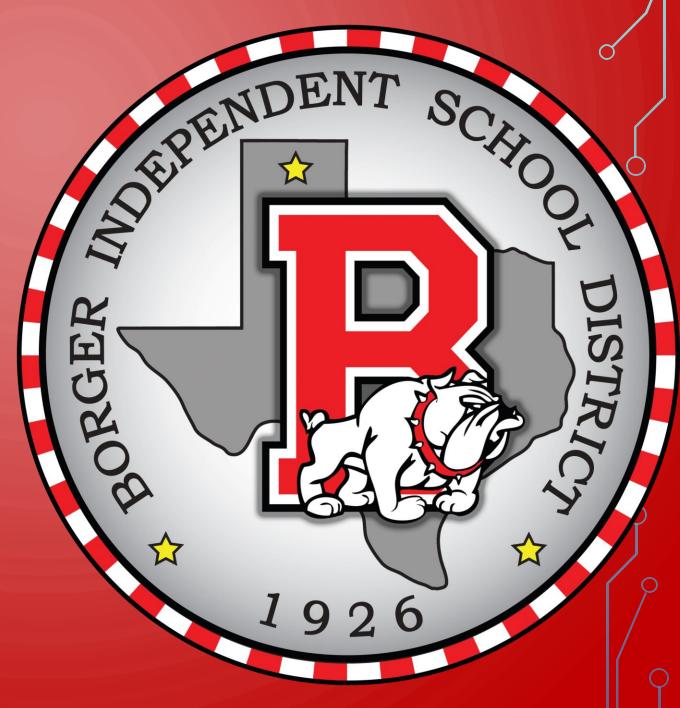
BOARD NOTES

27 AUGUST 2019



 $f(x) = \frac{1}{x}$, $f(x) = \sqrt[3]{x}$, $f(x) = x^3$, f(x) = |x|, $f(x) = b^x$, $f(x) = \log_b x$ where b is 2, 10, and e, and, when applicable, analyze the key attributes such as domain, range, intercepts, symmetries, asymptotic behavior, and maximum and minimum given an interval; 2A.2 (D) use the composition of two functions, including the necessary restrictions on the domain, to determine if the functions are inverses of each other; 2A.7 (I) write the domain and range of a function in interval notation, inequalities, and set notation.

2A.2 (A) graph the functions $f(x) = x^2$, $f(x) = \sqrt{x} = \sqrt[2]{x}$,

We will be able to analyze the key attributes of a graph including the domain, range, and intercepts.

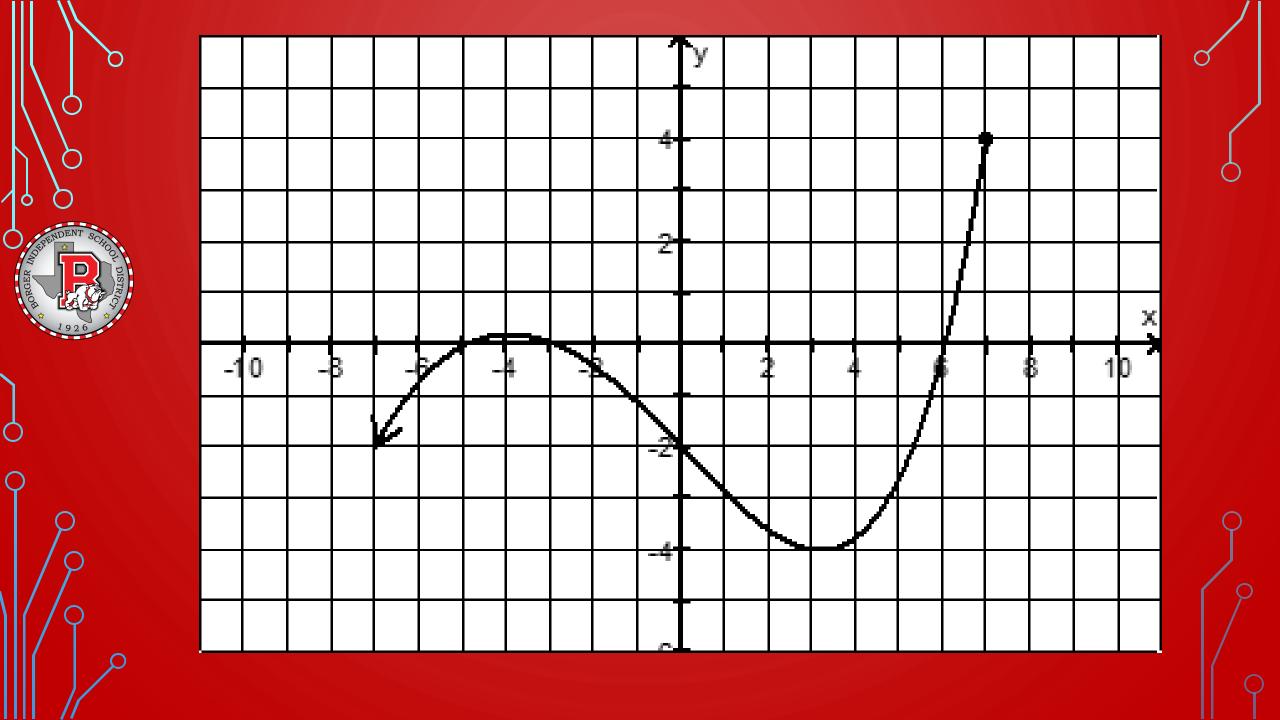


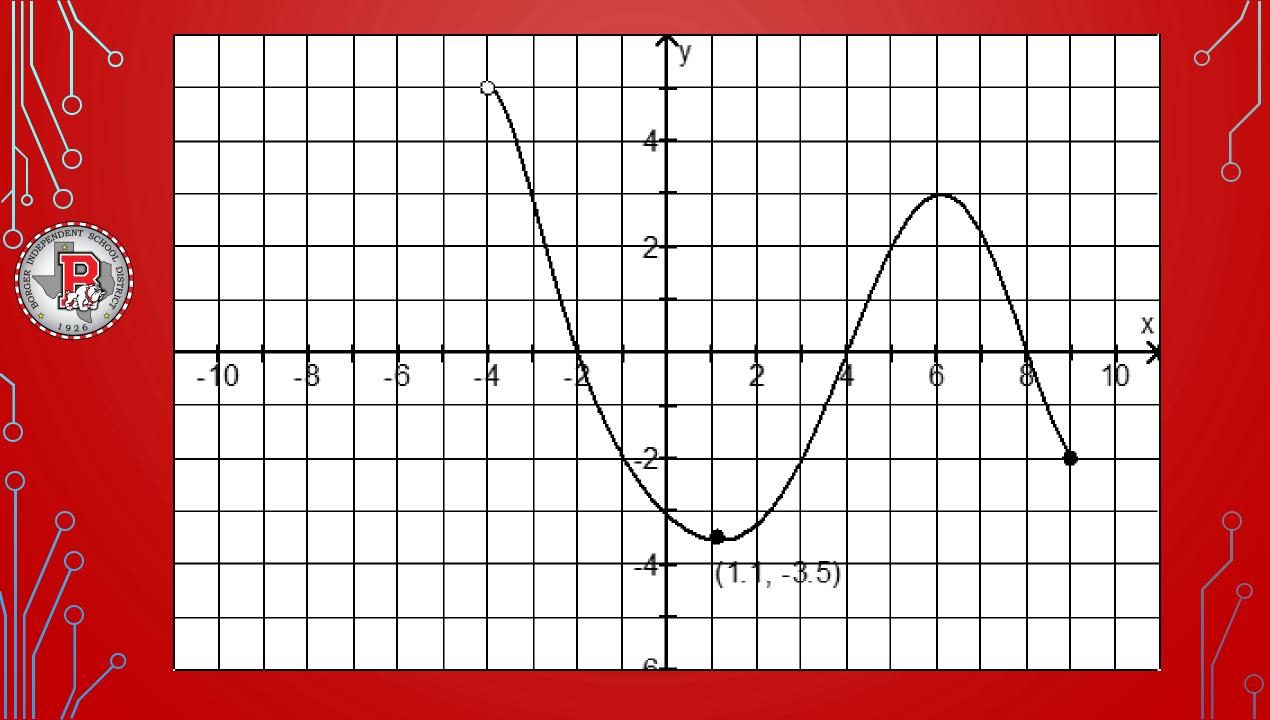
WHAT WE NEED:

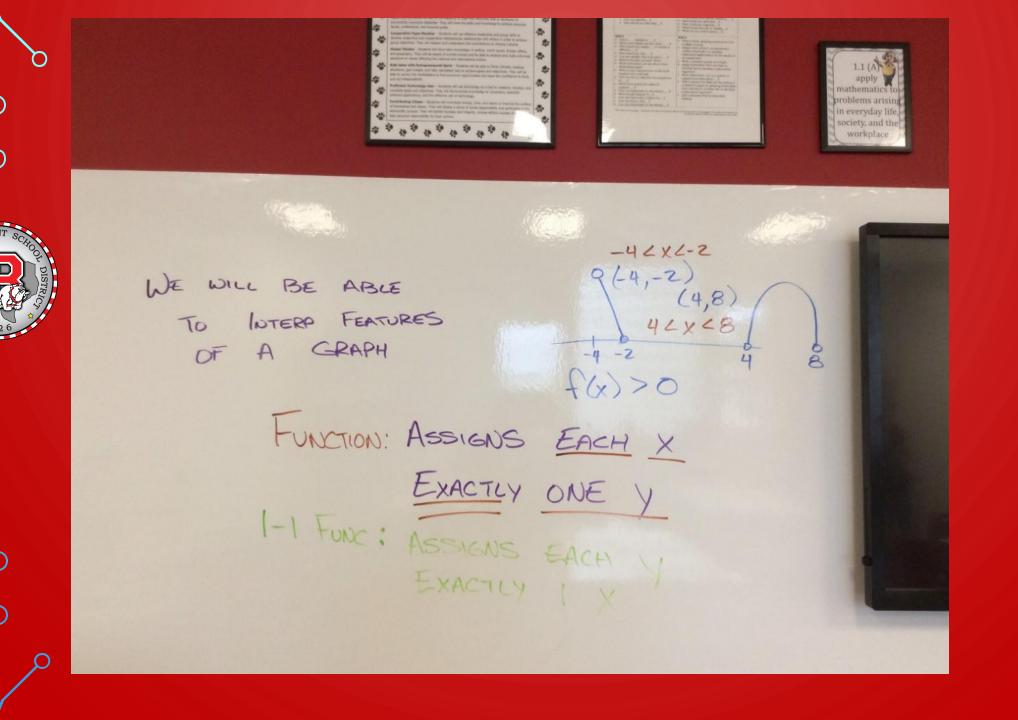
- TI 84
- Definition of:
 - Domain
 - Range
 - Intercepts
 - Increasing vs Decreasing

I WILL BE ABLE TO COMPLETE MY HOMEWORK GIVING THE

- Domain
- Range
- Intercepts (if any)
- Intervals of:
 - Increasing
 - Decreasing
 - Constant







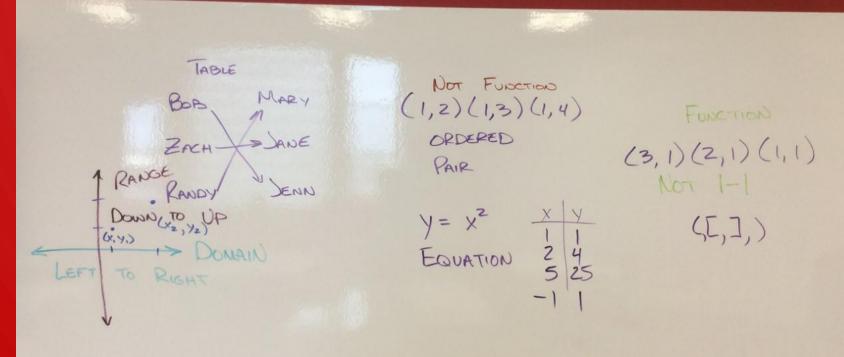


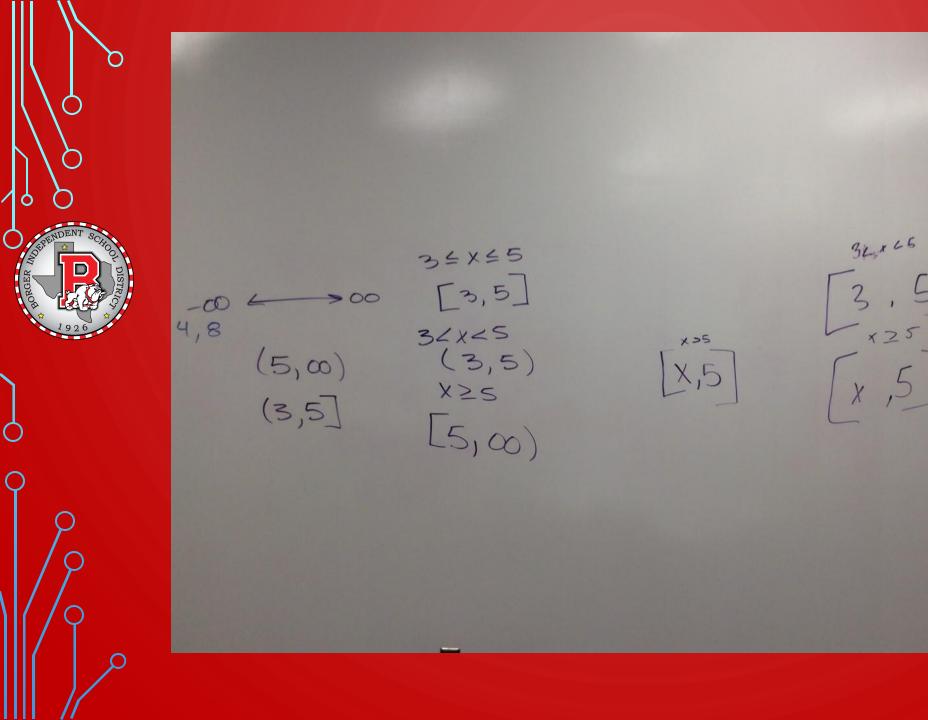




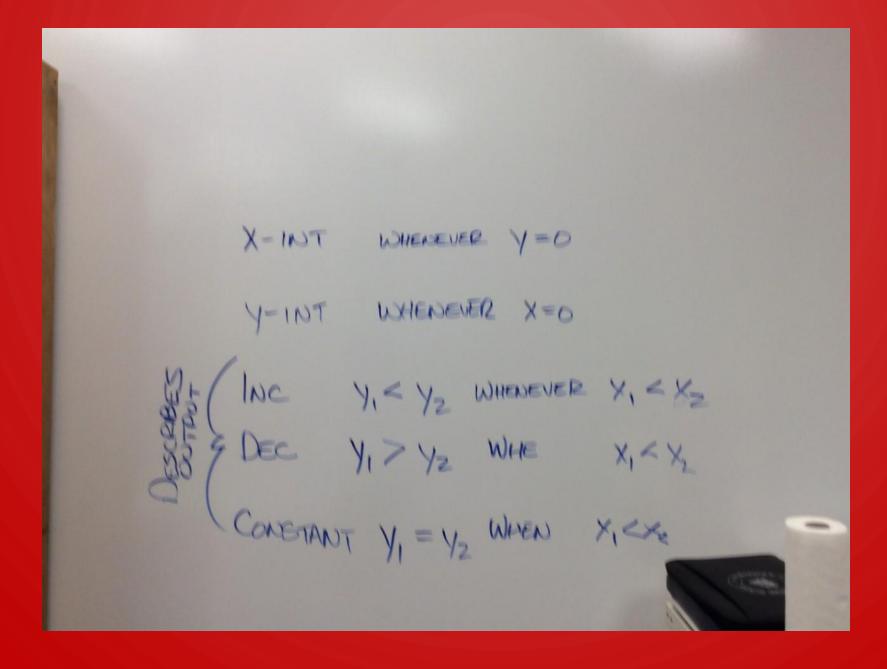












1) YES
2)
$$(-4,9]$$
3) $[-3,5,5]$
7) -2 , 4 , 8
(5), $(5,6)$
4) $f(3) = -2$
 $f(y) = y$
5) -3 , (6)