BOARD NOTES

3 SEPTEMBER 2019

 \square

 \mathbf{a}

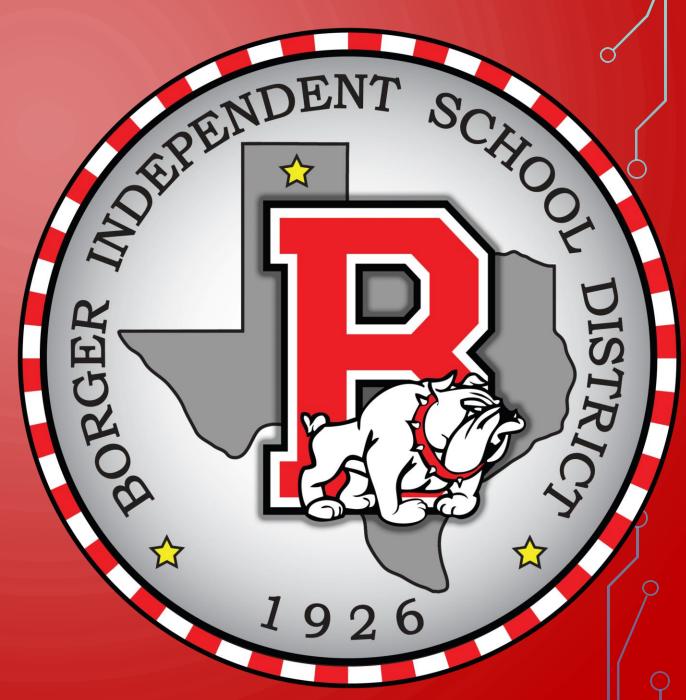
Q

B

 \bigcirc

 \bigcirc

Q



2A.2 (A) graph the functions $f(x) = x^2$, $f(x) = \sqrt{x} = \sqrt[2]{x}$, $f(x) = \frac{1}{x}, f(x) = \sqrt[3]{x}, f(x) = x^3, f(x) = |x|, f(x) = b^x,$ $f(x) = \log_{h} x$ 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.

We will be able to analyze the key attributes such as reflections across the x-axis, y-axis, origin, and if the function is even, odd or neither.



WHAT WE NEED:

- TI 84
- Definition of:
 - Even
 - Odd

I WILL BE ABLE TO COMPLETE MY HOMEWORK GIVING THE

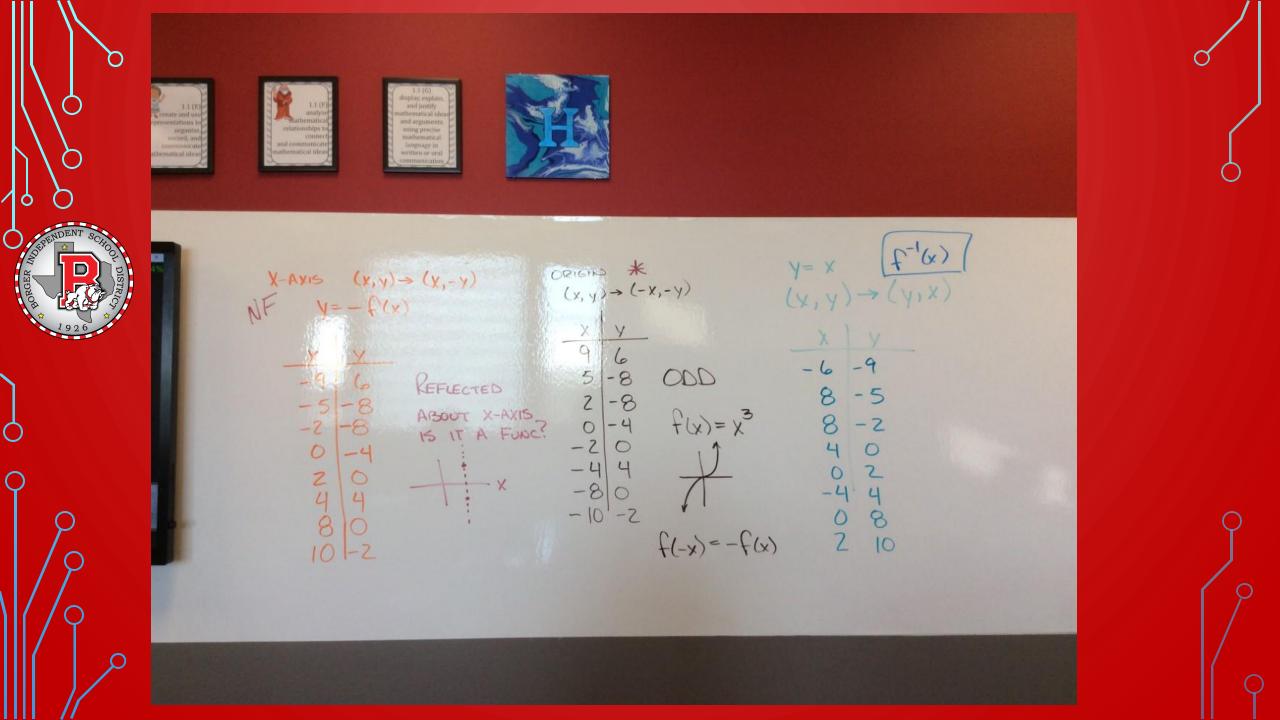
- Domain
- Range
- Intercepts (if any)
- Intervals of: Increasing / Decreasing / Constant
- Reflections
- Even / Odd / Neither

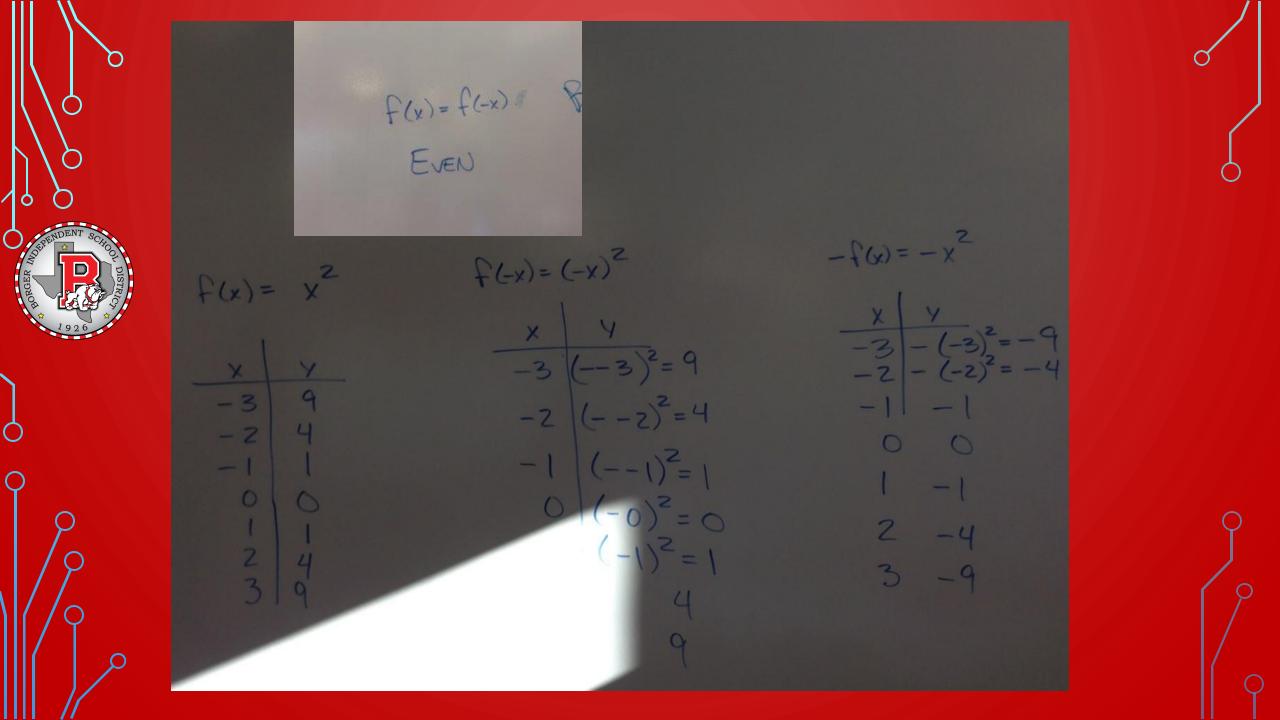


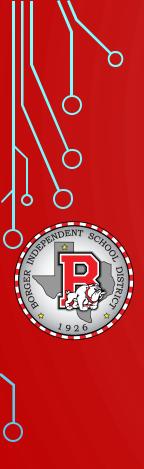
X Y -9 -6 8 -5 -2 0 2 8 4 0 4 -4 8 10 2

* Y - Axis* $(x,y) \rightarrow (-x,y)$ y = f(-x)X 9 52 VEN R 4 0 $f(x) = x^2$ -7 0 -4 -8 0 -10 2 f(-x) = F(x)

4 * 4 * 4 m







f(x)= x³-4 NEITHER $f(-x) = (-x)^3 - 4$ $= -x^{3} - 4$ ===== F(x) NOT EVEN $-f(x)=-(x^{3}-4)$ $= -\chi^{3} + 4$ 7 F(-x) NOT OND

