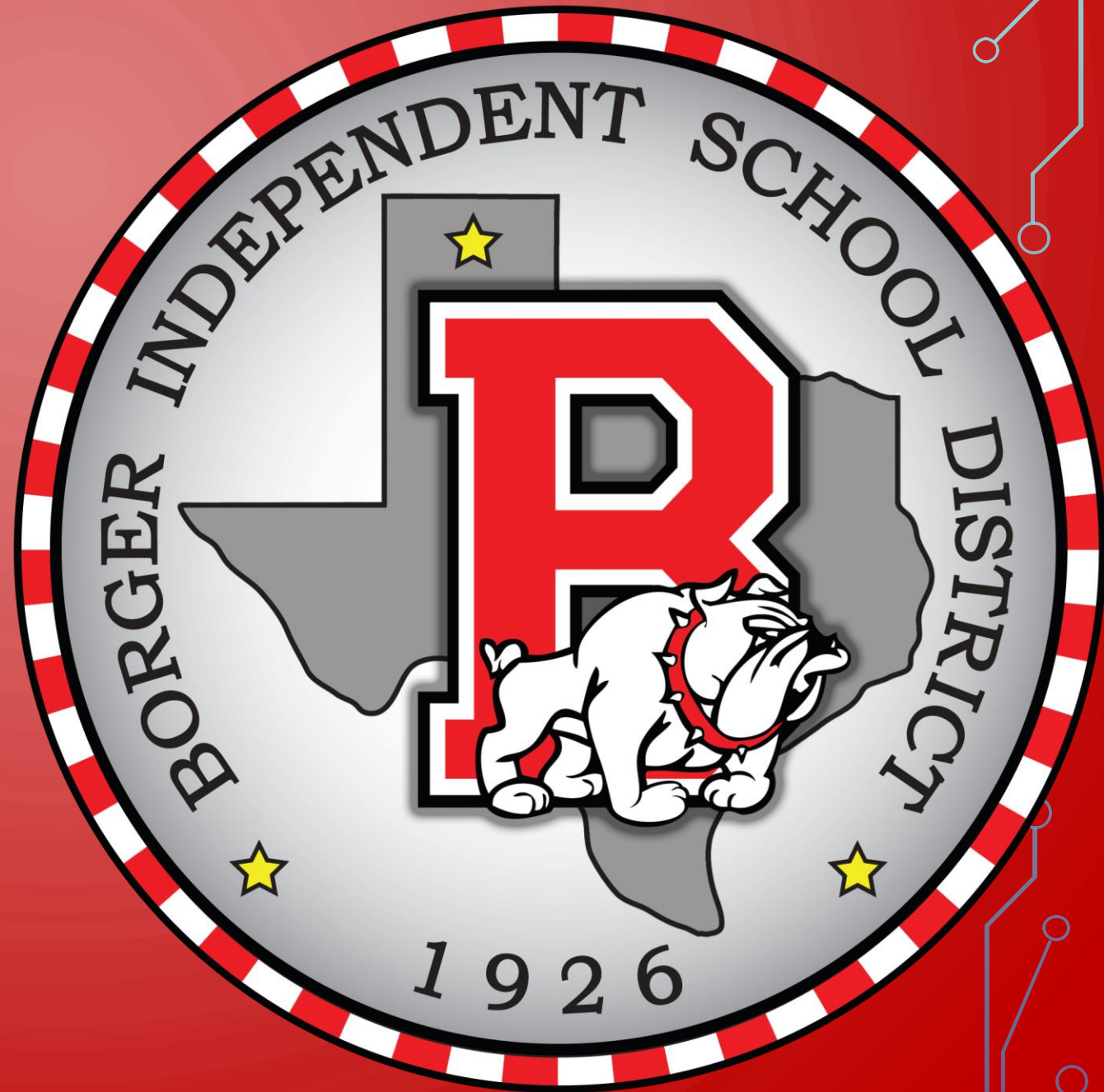


BOARD NOTES

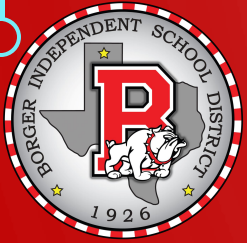
16 SEPTEMBER 2019



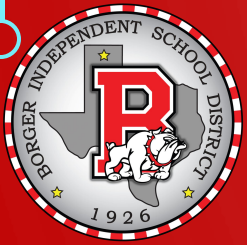
2A.8 (A) analyze data to select the appropriate model from among linear, quadratic, and exponential models;

2A.8 (B) use regression methods available through technology to write a linear function, a quadratic function, and an exponential function from a given set of data;

2A.8 (C) predict and make decisions and critical judgments from a given set of data using linear, quadratic, and exponential models.



We will be able to use regression models to determine type of model, analyze data and make predictions.



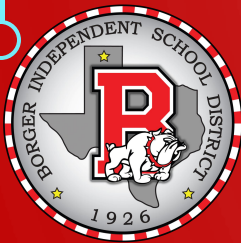
WHAT WE NEED:

- TI – 84

I WILL BE ABLE TO COMPLETE MY HOMEWORK GIVING THE

- Linear
- Exponential
- Quadratic
- Power

REGRESSION MODEL OF THE DATA.

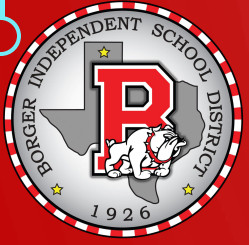


Clear your calculator

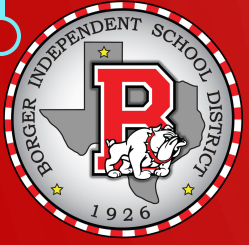
2nd + 7 1 2



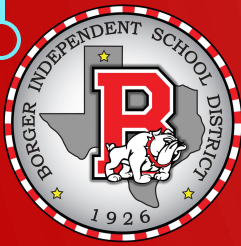
Depth (in meters)	Pressure (in atmospheres)
10	15.0
20	31.0
30	44.5
40	60.1
50	74.8
60	88.1



Year	Salary (in thousands)
1967	19.0
1976	51.5
1979	114
1982	242
1984	329
1986	413
1989	497



Length (in inches)	Weight (in pounds)
5.5	0.1
10.6	0.4
15	1.0
17	1.6
19.6	2.5
22	3.5
25	5.4
28	7.4



#4



LINEAR REG

$$y = 1.464x + 1$$

$$y = 23,220x - 1629,625$$

$$y = .321x - 2.983$$

