

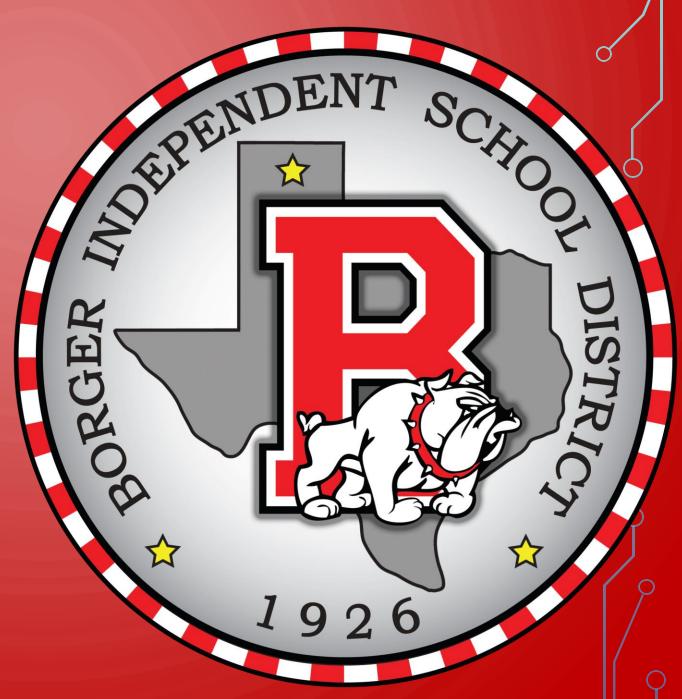
10 MARCH 2020

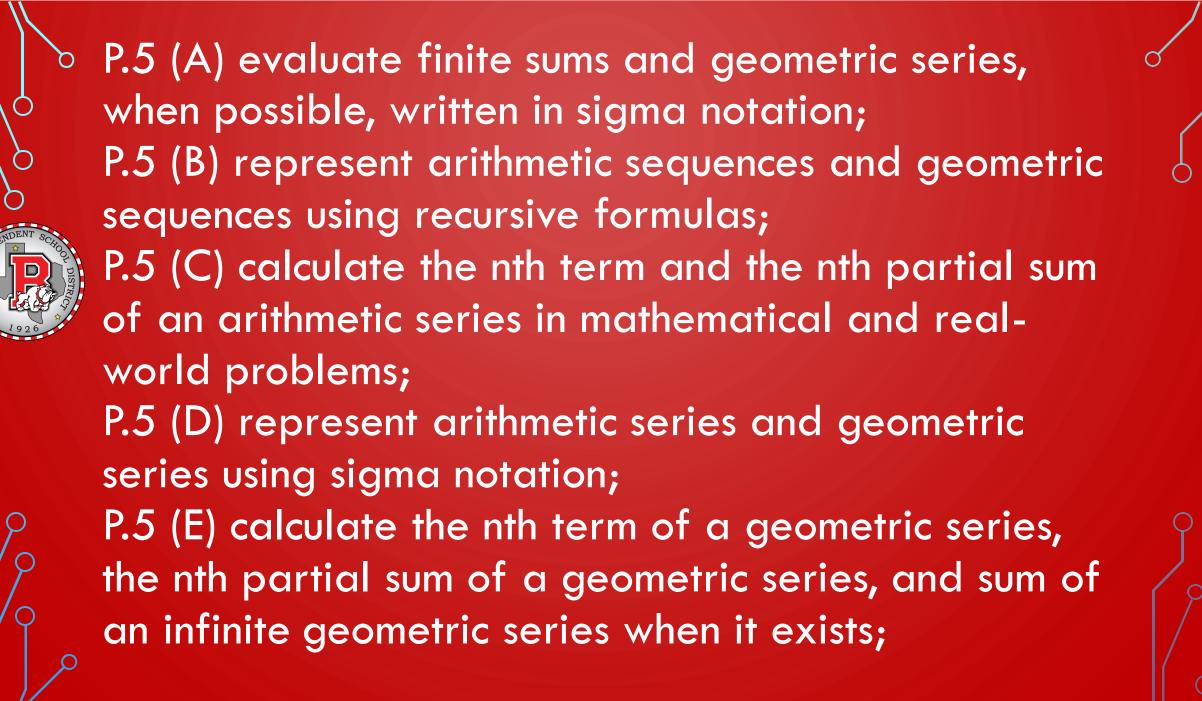
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We will be able to write the formula for a given arithmetic or geometric sequence.



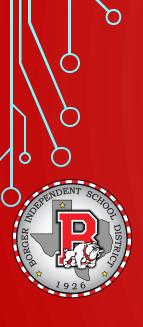
WHAT WE NEED:

- TI-84
- Arithmetic Sequence
- Geometric Sequence

I WILL BE ABLE TO COMPLETE MY HOMEWORK GIVEN THE

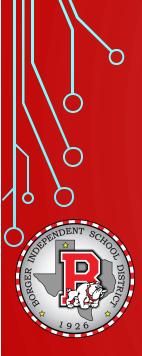
• Equation





Arithmetic: $d = a_2 - a_1$ $d = a_3 - a_2$

Geometric: $r = \frac{a_2}{a_1}$ $r = \frac{a_3}{a_2}$





1.1



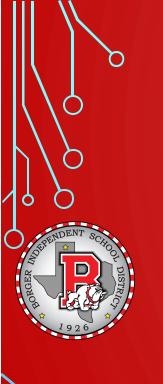






ARITH 2, -3, -8, -13, -18, -23, -28 -3-2=-5d $a_{z3} = -108$ $\frac{1}{2}$ $a_n = a_1 + d(n-1)$ $a_n = 2 + (-5)(n-1)$ = 2 - 5n + 5= -5n+7

10, 4, -2, -8 1) d = 4 - 10 = -6 $2) a_{n} = 10 - 6(n-1)$ = 10 - 6n + 6 = -6n + 16 $3) a_{36} = -200$



azo= 100 ay = 20 a13 = 65 $a_n = 5 + 5(n-1)$ a, d c $\begin{bmatrix} 1 & 3 & 20 \\ 1 & 12 & 65 \end{bmatrix}$ a,=? $G \rightarrow a_{1} = 5 = 5n$ d = ? d=5

 $20 = a_1 + d(4-1) \rightarrow 20 = a_1 + 3d$ $65 = a, + d(13-1) \rightarrow 65 = a, + 12d$



9, a2, a3, a4, 29 2q = 9 + d(5 - 1)20 = 4da2= 14 d=5Q3= 19 $a_y = 24$



