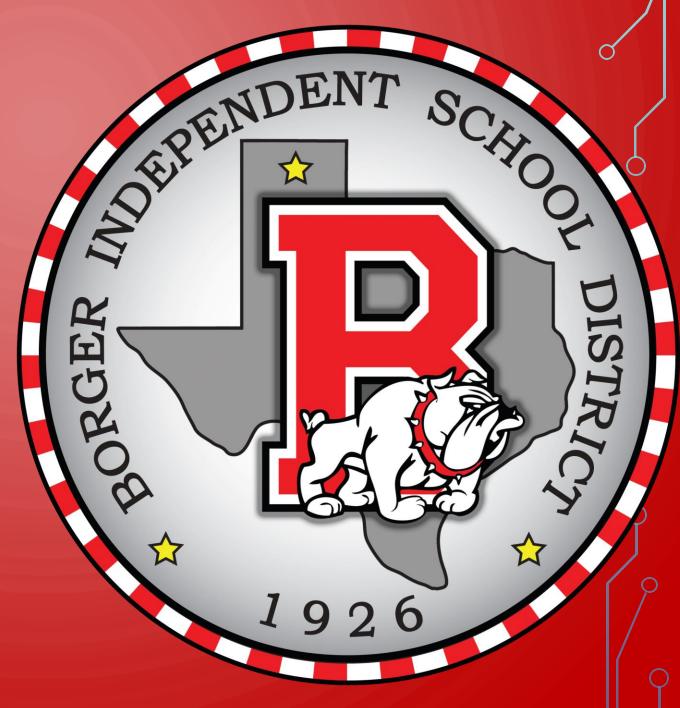
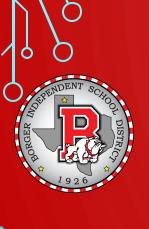
## BOARD NOTES

3 FEBRUARY 2020





2A.4 (F) solve quadratic and square root equations; 2A.4 (G) identify extraneous solutions of square root equations;

2A.7 (G) rewrite radical expressions that contain variables to equivalent forms; 2A.7 (H) solve equations involving rational exponents;

## We will be able to square expressions. (Review)

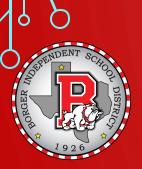


WHAT WE NEED:

• TI-84

I WILL BE ABLE TO COMPLETE MY HOMEWORK GIVEN THE

Equation



$$= (x-4)^{2}$$

$$= (x-4)(x-4)$$

$$= x^{2} - 8x + 16$$

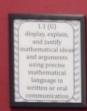
$$*(a-b)^{2} = a^{2} - 2ab + b^{2}$$

$$*(a+b)^{2} = a^{2} + 2ab + b^{2}$$

$$*(a-b)(a+b) = a^{2} - b^{2}$$

$$(45)^2 = (5^{\frac{1}{2}})^2 = 5$$









$$(7 + \overline{x})^2$$
  $(ab)^m = a^m b^m$   
=  $7^2 (-1\overline{x})^2$   $(3 + \overline{x} - 6)^2 = 9x - 54$   
=  $49 \times$  =  $3^2 (-1\overline{x} - 6)^2$   
=  $9(x - 6)$ 



$$(2+3+3x-5)^{2} = (2+3+3x-5)(2+3+3x-5)$$

$$= 2\cdot 2 + 2\cdot 3+3x-5 + 2\cdot 3+3x-5 + (3+3x-5)(3\sqrt{3}x-5)$$

$$= 4 + (6+3x-5 + (6+3x-5 + (3\cdot3)(4-3x-5+3x-5))$$

$$= 4 + 12+3x-5 + 9(3x-5)$$

$$= 4 + 12+3x-5 + 27x-45$$

$$= 27x+12+3x-5-41$$

