

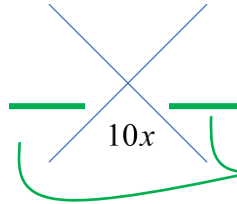
Please turn in these notes  
to google classroom.

**Completing the Square** – We will need this skill a little late in the chapter, so it will be very helpful to learn it now. Please follow along with the video so that you can understand the concept.

Fill in the blank so that the expression so that is a *perfect square trinomial*, then write it in factored form.

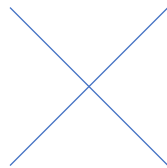
$$x^2 + 10x + \underline{\hspace{2cm}}$$

$$x^2 + 10x + \underline{\hspace{2cm}}$$



Must be the same value  
for a perfect square.

1)  $x^2 - 12x + \underline{\hspace{2cm}}$



2)  $x^2 + 16x + \underline{\hspace{2cm}}$

3)  $x^2 - 8x + \underline{\hspace{2cm}}$

4)  $x^2 + 2x + \underline{\hspace{2cm}}$

Examples for HW 10-#5: Find the value of  $x$  for each of the circle with center  $A$ .

