## Notes Weeks 7 - 9:

**Lesson One:** Test Review

**Lesson Two**: Factor Flow Chart

**Lesson Three:** GCF- Factor Completely

**Lesson Four:** Factor By Grouping

**Lesson Five:** Factoring Trinomials Introduction

**Lesson Six:** More Factoring Trinomials

**Practice** 

Test (Part one) Review

Multiply ing Polynomials

(
$$6x + 2$$
) ( $2x + 8$ ) \* Multiply

 $2x \frac{12x}{14x}$  \* write out answers

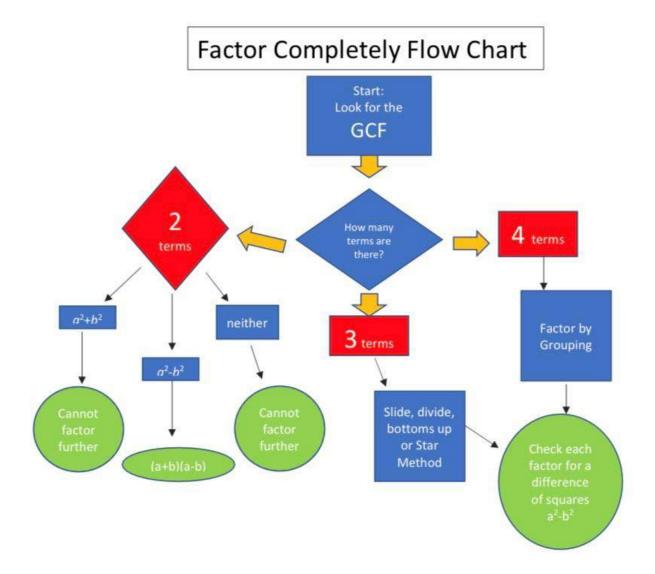
 $12x^2 + \frac{1}{4}x + \frac{1}{4}8x + \frac{1}{6}$ 
 $12x^2 + 52x + \frac{1}{6}$ 
 $12x^2 + 52x + \frac{1}{6}$ 
 $12x^2 - 6x - 6$ 
 $14x^3 - 12x^2 - 12x - 28x^2$ 
 $14x^3 - 12x^2 - 12x - 28x^2$ 

Giventest Common Factor (GCF)

Factor out the GCF

\*Factor out the GCF

\*Factor



Lesson Three:

```
09/29/2020 GCF: Factor Completely
   • I can factor out the greatest common factor and write what is remaining.
 * Use the GICF chart posted in google classroom *
  Helpful tip: After you take out the GCF, divide what you started with by the GCF to Find what -
   to write next.
 Examples:
4(X+2)(X-2)
5(2x2+3x-10)
                                       3 (X+3)(X-3
Gruided Practice
                                    7xx9 7x2+14x-21
```

Lesson Five:

Star (x muthou multiply

② star/X Method

Guided practice

$$0.b^2 + 16b + 64$$
  
 $(b+8)(b+8)$ 

64 multiply
16
Ladd

(a+2)(a+9)

$$\begin{array}{c|cccc}
 a & +2 \\
 a & a^2 & 2a \\
 +9 & 9a & 18
\end{array}$$

$$a^2 + 2a + 9a + 18$$
  
 $a^2 + 11a + 18$ 

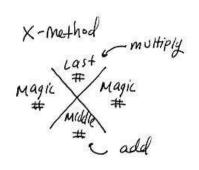
multiply 18/ 11/ add

$$\frac{11 \text{ (add)}}{1+10}$$
\* 2+9=11
\(\psi\_{2.9}=18\)

10/08/2020 Factoring Trinomials Continued o I can factor polynomials

steps: O Check for GCF

2 X- method



Gruided practice Factoring Trinomials

b2 + 3b - 40

$$\frac{3}{2}a^{2}+(a+5)$$

$$\frac{3}{(x-6)(x+10)}$$

$$X^{2} - 6x + 10x - 60$$
  
 $X^{2} + 4x - 60$