## 10.12.15

## **Unit Test on Friday!**

Factor and solve the following equation. Remember to get the equation equal to zero first and look for a GCF.

$$12x^{3} + 28x^{2} = .16x 
+ 10x + 10x 
12x^{3} + 28x^{2} + 10x = 0 
4x(3x^{2} + 7x + 14) = 0 
3x 3x 3x 3x 3x 4 
4x(3x^{2} + 7x + 14) = 0 
3x 3x 3x 3x 3x 4 
4x(x+1)(3x+4) = 0 
50 | ve:  $4x = 0$   $x = 0$   $x$$$