

October 25, 2016  
 \* Quiz #7 - Tomorrow  
 5.2 - 5.5  
 \* No Math Jam Friday  
 \* Exam #2 - Next Wednesday  
 November 2<sup>nd</sup>

Oct 25-9:51 AM

$$(3x-5)^4$$

$$[(3x-5)(3x-5)](3x-5)(3x-5)$$

$$[(9x^2-30x+25)(3x-5)](3x-5)$$

$$27x^3-45x^2-90x^2+150x+75x-125$$

$$(27x^3-135x^2+225x-125)(3x-5)$$

$$81x^4-135x^3-405x^3+675x^2+675x^2-1125x-375x+625$$

$$81x^4-540x^3+1350x^2-1500x+625$$

Oct 25-10:06 AM

$$\begin{array}{r} 2 \cdot 3 \cdot 2 \cdot 5 \\ 6 \cdot 2 \cdot 5 \\ 12 \cdot 5 \\ 60 \checkmark \\ \hline 6 \cdot 10 \\ 60 \checkmark \end{array}$$

Oct 25-10:18 AM

$$(4y-7)^5$$

Due Tomorrow

Oct 25-10:22 AM

5.7 Special Products

$$\textcircled{1} (a+b)(a+b) = a^2 + 2ab + b^2$$

$$(x+5)(x+5) = x^2 + 10x + 25$$

$$(x-7)(x-7) = x^2 - 14x + 49$$

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

$$(x+4)(x-4) = x^2 - 16$$

Difference of Two Squares

$$(y+8)(y-8) = y^2 - 64$$


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$$(x+9)(9-x) = 9x - x^2 + 81$$

$$(x+9)(-1)(x-9) = -x^2 + 81$$

$$(x+9)(x-9)(-1) = -x^2 + 81$$

put a Diff of Two Squares

Oct 25-10:25 AM

Complete 5.6  
 Do 5.7 #1 - #27 m3

Oct 25-10:37 AM

Chapter 6 Factoring

6.1 Greatest Common Factor  
GCF

$24 = 2 \cdot 2 \cdot 2 \cdot 3$   
 $52 = 2 \cdot 2 \cdot 13$

$4(6) = 24$   
 $4(13) = 52$

Oct 25-10:39 AM

$32 = 2 \cdot 2 \cdot 2 \cdot 2 \cdot 2$   
 $104 = 2 \cdot 2 \cdot 2 \cdot 13$

Oct 25-10:44 AM