

November 8, 2016

- \* No Quiz Tomorrow
- \* Exam #3 - December 2<sup>nd</sup>
- \* Last Day Class - December 9<sup>th</sup>
- \* Final - December 12<sup>th</sup>  
 @ 10:20 - 12:20  
 Rm # 320

Nov 8-9:55 AM

#8)  $x^2 - 4x + 24$

①  $ac = +24$   
 ②  $b = -4$   
 ③

-	-	-14
12	2	-11
8	3	-16
6	4	-25
24	1	-25

Not Factorable  
 R.P.

Nov 8-10:15 AM

#21)  $2p^2 + 2p - 4$   
 $a = +2$

① Factor out HCF if it exists.  
 $2(p^2 + p - 2)$

② Can the remaining trinomial be factored?  
 $p^2 + p - 2$   $ac = -2$   
 $b = 1$

+	-
2	1

$p(p+2) - 1(p-2)$   
 $(p+2)(p-1)$   
 $2(p+2)(p-1)$

Nov 8-10:20 AM

$ax^2 + bx + c$   
 $* a \neq 1$

$6x^2 + x - 35$  ①  $ac = 6 \cdot (-35) = -210$   
 $* a = +6$  ②  $b = 1$   
 ③

+	-	$p$	$d$
10	9	-90	✓
12	11	-132	✓
15	14	-210	✓

$3x(2x+5) - 7(2x+5)$   
 $(2x+5)(3x-7)$   
 Ok  
 $6x^2 - 14x + 15x - 35$   
 $6x^2 + x - 35$  ✓

Nov 8-10:25 AM

$36x^2 - 29x - 117$  ①  $ac = (36)(-117) = -4212$   
 ②  $b = -29$   
 ③

-	+	$f$	$d$
30	1	-4212	-29
49	20	-980	✓
70	41	-2870	✓
80	51	-4080	✓
82	53	-4346	✓
81	52	-4212	✓

$9x(4x-9) + 13(4x-9)$   
 $(4x-9)(9x+13)$   
 $36x^2 + 52x - 81x - 117$   
 $36x^2 - 29x - 117$  ✓

Nov 8-10:33 AM