November 8, 2016

* ISC #4 - Due Friday
* Exam #3 - December 2nd
* Last Day of Class - December 9th
* Final - December 16th

Nov 8-9:05 AM

$m^2 + m - 90$

① $ac = -90$

② $b = 1$

③

+	−
10	9

$m^2 + 10m - 9m - 90$

$m(m+10) - 9(m+10)$

$(m+10)(m-9)$

$m^2 - 9m + 10m - 90$

$m^2 + m - 90$ ✓

Nov 8-9:12 AM

$x^2 - 4x + 24$ $ac = +24$, $b = -4$

R.P.

−	−
12	2
6	4
8	3
24	1

-14, -10, -11, -25

Nov 8-9:19 AM

#16) $5n^2 + 10n + 20$

① Factor out GCF

$5(n^2 + 2n + 4)$

② Factor the remaining trinomial

③ $n^2 + 2n + 4$ $ac = 4$, $b = 2$

R.P.

+	+
4	1
2	2

Nov 8-9:23 AM

$3(2x+5)(x-4)$

$(6x+15)(x-4)$

$6x^2 - 24x + 15x - 60$

$6x^2 - 9x - 60$

GCF = 3

Nov 8-9:28 AM

$ax^2 + bx + c$

$a \neq 1$

$6x^2 + x - 35$

① $ac = 6 \cdot (-35) = -210$

② $b = 1$

③

+	−	p	s
10	9	−210	+1
15	14	−90	✓
		−210	✓

$6x^2 + 15x - 14x - 35$

$3x(2x+5) - 7(2x+5)$

$(2x+5)(3x-7)$

$6x^2 - 14x + 15x - 35$

$6x^2 + x - 35$ ✓

Nov 8-9:30 AM

$36x^2 \overset{②}{-} 29x \overset{①}{-} 117$

① $ac = (36)\cdot(-117) = -4212$

② $b = -29$

③

−	+	p: -4212	b: -29
30	1	−30	✓
35	6	−210	✓
70	41	−2870	✓
90	61	−5490	✓
80	51	−4080	✓
81	52	−4212	✓

Nov 8-9:42 AM