

October 26, 2015
 * Exam #2 - Friday
 60% New
 40% Prior

Oct 26-9:02 AM

Factoring Trinomials of the form $ax^2 + bx + c$ where $a=1$
 e.g.
 $x^2 + 12x + 35 = (x+7)(x+5)$

Oct 26-9:04 AM

"Sign" Patterns
 * a must be positive!
 ① $ax^2 + bx + c$ Both numbers have the same "sign". Both positive.
 $(x+7)(x+5) = x^2 + 12x + 35$
 ② $ax^2 - bx + c$ Same "sign"; both neg.
 $(x-7)(x-5) = x^2 - 12x + 35$
 ③ $ax^2 + bx - c$ Numbers have opposite "signs". Larger number is positive.
 $(x+7)(x-5) = x^2 + 2x - 35$
 ④ $ax^2 - bx - c$ Opposite "signs"; larger number is neg.
 $(x-7)(x+5) = x^2 - 2x - 35$

Oct 26-9:06 AM

#11) $n^2 - 8n - 56$
 $a=1$
 $b=-8$
 $c=-56$
 $ac = (1)(-56) = -56$
 $n^2 - 8n - 56$
 $n(n-8) + 7(n-8)$
 $(n-8)(n+7)$

Oct 26-9:27 AM

Oct 26-9:25 AM