8-6C: Factoring Trinomials: $ax^2 + bx + c$

Due next class: p.401 #14-20 even

p.401 #2, 4, 6, 15, 17, 19 Challenge #31, 44

2.(7d+1)(d+7)
4.(3x-2)(x-5)
6. (3d-5)(d-4)
15. (2q+3)(q-7)
17. (13p-5)(p+1)
19. (5w+8)(2w-1)
31. (2x+2)(x+2)
44. x(8x+5)(7x+1)

Missing Chapter 8 Quiz

Period 2:
Holly B.
Edwin G.

Period 3:
Andrea A.
Luis A.
Nate C.
Andrea H.

Factor each expression.

1. $2n^2 + 15n + 7$

2. $7d^2 + 50d + 7$

3. $11w^2 - 14w + 3$

4. $3x^2 - 17x + 10$

5. $6t^2 + 25t + 11$

6. $3d^2 - 17d + 20$

7. $16m^2 + 26m + 9$

8. $15p^2 - 26p + 11$

9. $8y^2 + 30y + 13$

10. $2y^2 + 35y + 17$

11. $7x^2 - 30x + 27$

12. $8x^2 + 18x + 9$

13. $2t^2 - t - 3$

14. $8y^2 - 10y - 3$

15. $2q^2 - 11q - 21$

16. $7x^2 - 20x - 3$

17. $13p^2 + 8p - 5$

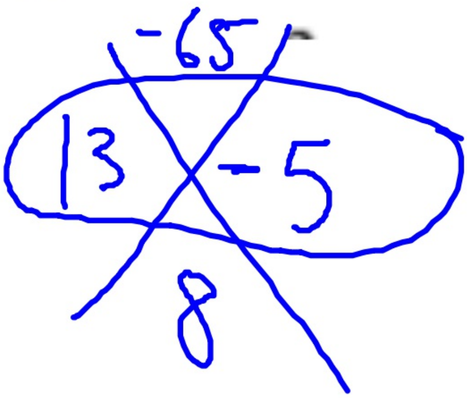
18. $5k^2 - 2k - 7$

19. $10w^2 + 11w - 8$

20. $12d^2 - d - 20$

21. $14n^2 + 23n - 15$

17. $\overset{a}{13}p^2 + \overset{b}{8}p - \overset{c}{5}$



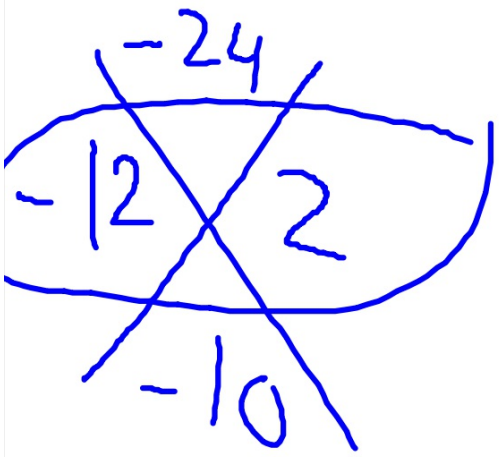
	$13p$	-5
p	$13p^2$	$-5p$
1	$13p$	-5

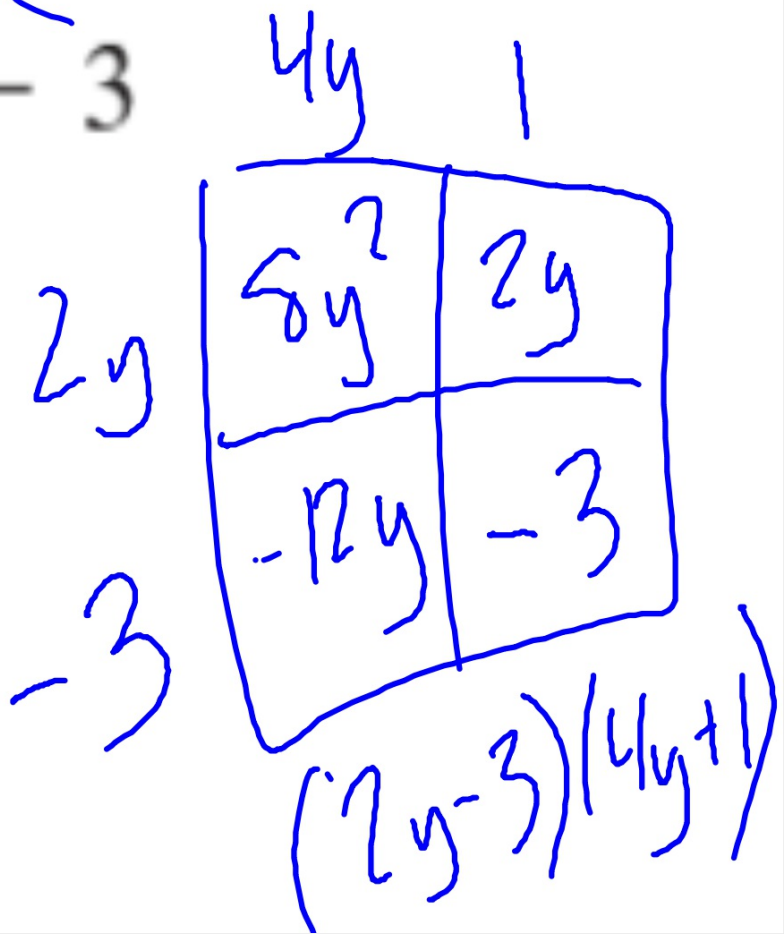
$(p+1)(13p-5)$

Factor using a diamond and a rectangle.

$8y^2 - 10y - 3$

a b c





$(2y-3)(4y+1)$

***Algebra Writing Assignment**: Factoring trinomials in the form $ax^2 + bx + c$.* *Name:*_____

Instructions: You are an Algebra student who learned how to factor trinomials in the form $ax^2 + bx + c$.

Role Topic

Write a letter to your friend who has NO CLUE how to factor.

Format Audience

Explain how to factor the trinomial $4x^2 + 16x + 15$ using the diamond and rectangle. Explain every step.

SV

R – Role (Who are you?)	*Papel (¿Quién eres tú?)*
A – Audience (To whom are you writing?)	*Audiencia (¿A quién estás escribiendo?)*
F – Format (What will the document look like?)	*Formato (¿Cómo aparecerá el documento?)*
T – Topic (What are you writing about?)	*Tema (¿Sobre qué estás escribiendo?)*
S – Strong verb (What are you trying to do?)	*Verbo Fuerte (¿Qué estás tratando de hacer?)*