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

Due next class: p.401 #2, 4, 6, 15, 17, 19

Challenge #31, 44 (remove GCF)

Due today p.401 #1-13 odds

1.(2n+1)(n+7)

3. (11w-3)(w-1)

5. (3t+11)(2t+1)

7. (2m+1)(8m+9)

9. (2y+1)(4y+13)

11. (x-3)(7x-9)

13 (2t-3)(t+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. $7x^2 - 20x - 3$

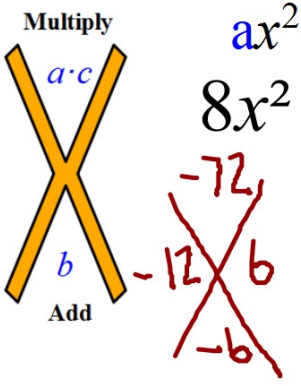
17. $13p^2 + 8p - 5$

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

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

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

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



$ax^2 + bx + c$

$8x^2 - 6x - 9$

-72

-12 6

-6

4x 3

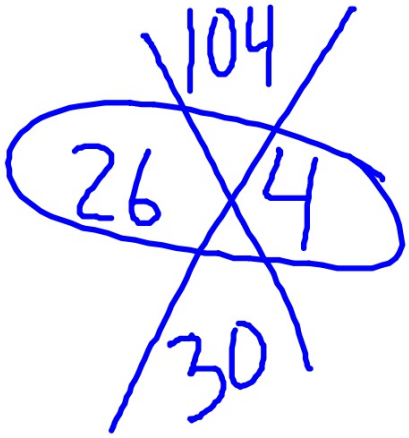
2x $8x^2$ $6x$

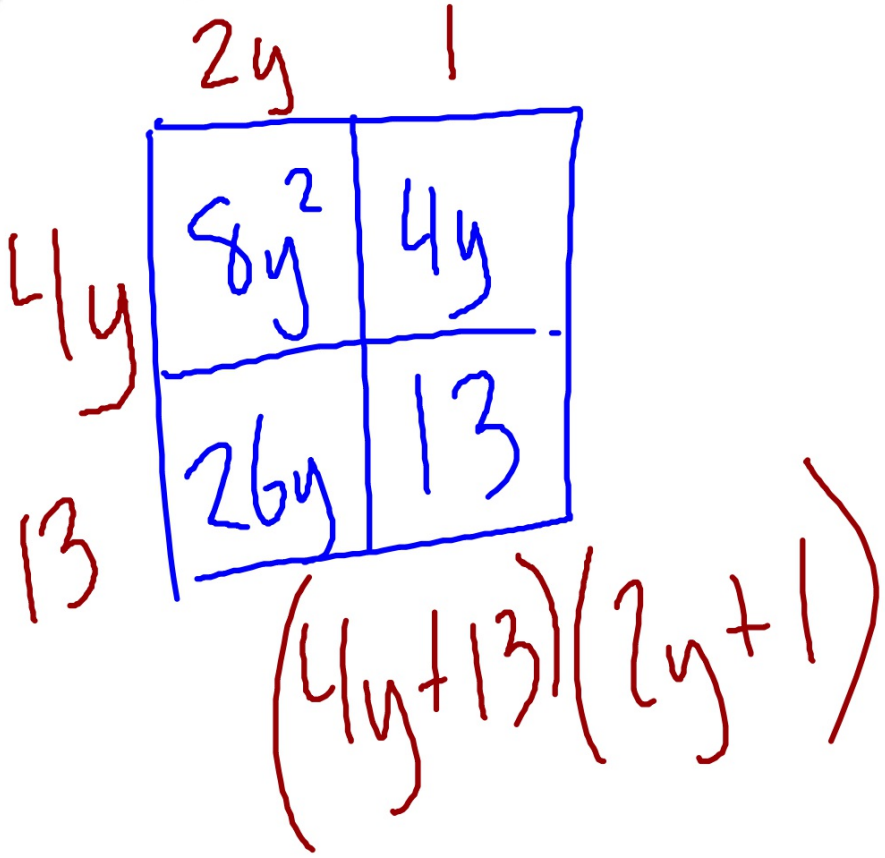
-3 $-12x$ -9

1) Identify a, b, and c.
2) fill out and solve the diamond
3) fill out the rectangle
4) Find the GCF
3) fill in the rest of the rectangle and find your factors

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

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

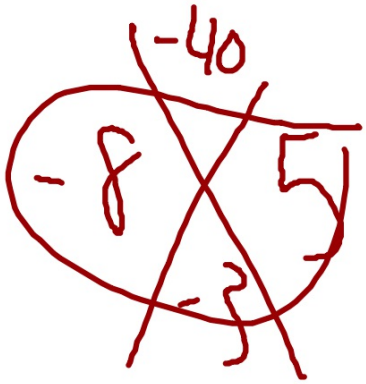




$(4y+13)(2y+1)$

$$2x^2 - 6x - 80$$

$$2(x^2 - 3x - 40)$$



$$2(x-8)(x+5)$$