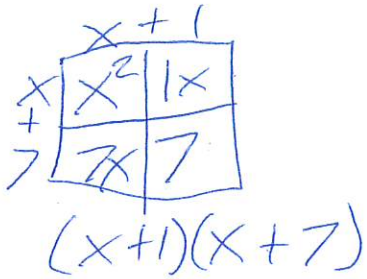
CCSS Algebra 2 A5: Factoring Practice Name _____

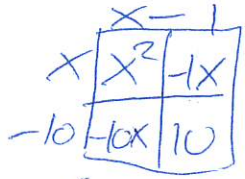
Use a GENERIC RECTANGLE and DIAMOND to FACTOR (convert each expression from a sum to a product).

1. $x^2 + 8x + 7$



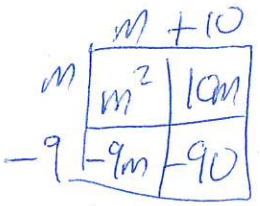
$(x+1)(x+7)$

2. $x^2 - 11x + 10$



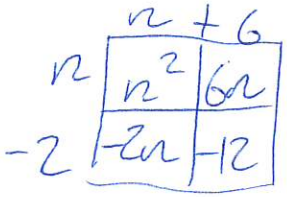
$(x-1)(x-10)$

3. $m^2 + m - 90$



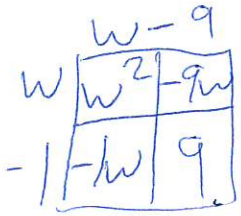
$(m+10)(m-9)$

4. $n^2 + 4n - 12$



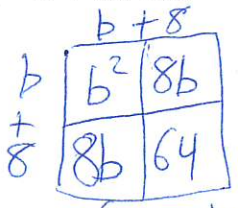
$(n-2)(n+6)$

5. $w^2 - 10w + 9$



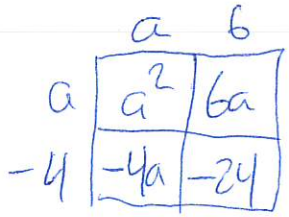
$(w-9)(w-1)$

6. $b^2 + 16b + 64$

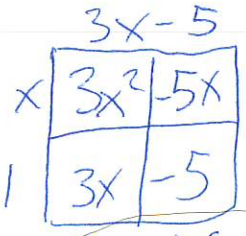


$(b+8)(b+8)$

7. $a^2 + 2a - 24$

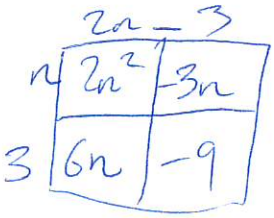


8. $3x^2 - 2x - 5$



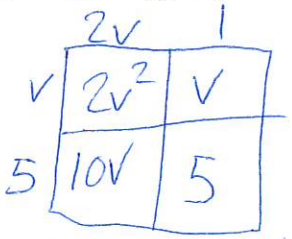
$(3x-5)(x+1)$

9. $2n^2 + 3n - 9$



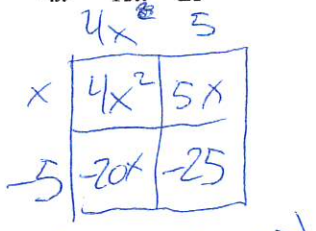
$(n+3)(2n-3)$

10. $2v^2 + 11v + 5$



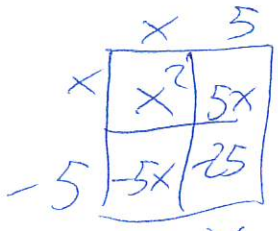
$(2v+1)(v+5)$

11. $4x^2 - 15x - 25$



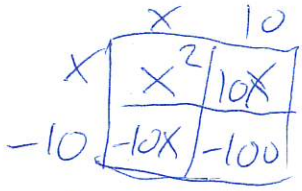
$(x-5)(4x+5)$

12. $x^2 - 25$



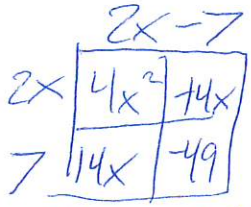
$(x+5)(x-5)$

13. $x^2 - 100$



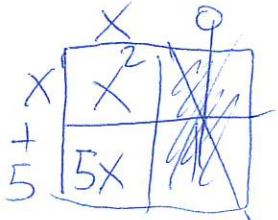
$(x+10)(x-10)$

14. $4x^2 - 49$



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

15. $x^2 + 5x$



$x(x+5)$

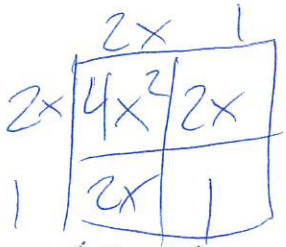
16. $x^2 - 22x$

$x(x-22)$

17. $5x^2 - 10x$

$5x(x-2)$

18. $4x^2 + 4x + 1$

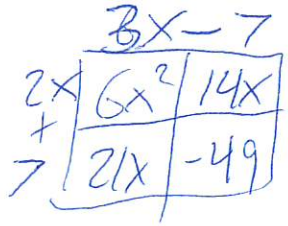


$(2x+1)(2x+1)$

19. $25q^2 + 75q$

$25q(q+3)$

20. $6x^2 + 7x - 49$



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