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. $x^{2}+8x+7$ 2. $x^{2}-11x+10$

3. $m^{2}+m-90$ 4. $n^{2}+4n-12$

5. $w^{2}-10w+9$ 6. $b^{2}+16b+64$

7. $a^{2}+2a-24$ 8. $3x^{2}-2x-5$

9. $2n^{2}+3n-9$ 10. $2v^{2}+11v+5$

11. $4x^{2}-15x-25$ 12. $x^{2}-25$

13. $x^{2}-100$ 14. $4x^{2}-49$

15. $x^{2}+5x$ 16. $x^{2}-22x$

17. $5x^{2}-10x$ 18. $4x^{2}+4x+1$

19. $25q^{2}+75q$ 20. $6x^{2}+7x-49$