

ALL PROBLEMS CAN BE COMPLETED ON THIS WORKSHEET

**WS 13A.4 – Way Too Much Reverse FOIL**

#1-20, Factor by Reverse FOIL. If a polynomial is not factorable, write “prime.” (Hint: there is only one problem that is prime)	
1. $3n^2 + 5n - 9$	2. $a^2 + 12a + 11$
3. $81t^2 + 72t + 15$	4. $12c^2 - 7c - 10$
5. $z^2 - 20z + 51$	6. $2x^2 + 9x - 11$
7. $10k^2 + 3k - 4$	8. $19y + 48 + y^2$
9. $x^2 - 6xy - 40y^2$	10. $w^2 - 8wz - 48z^2$
11. $x^2 - 8xy + 7y^2$	12. $14r^2 - 45rt - 14t^2$
13. $n^2 - 2np - 48p^2$	14. $s^2 + 11st + 18t^2$
15. $a^2 + 3ab - 54b^2$	16. $56k^2 - 15k + 1$
17. $j^2 - 11jk - 80k^2$	18. $20b^2 - 41b + 2$
19. $a^{2x} + 3a^x + 2$	20. $y^{4m} - 13y^{2m} + 12$