Principles of Algebra   Name/Date_____

ALL PROBLEMS CAN BE COMPLETED ON THIS WORKSHEET

WS 12D.1 - Factoring by Difference of Two Squares & (easy) Reverse FOIL

#1-16, If a polynomial is a binomial, factor by Difference of Two Squares. If a polynomial is a trinomial, factor by Reverse FOIL.	
1. $x^2 + 8x + 16$	2. $n^2 + 4n + 4$
3. $w^2 - 18w + 81$	4. $a^2 - 4$
5. $36r^2 + 12r + 1$	6. $4x^2 - 1$
7. $81 - 16q^2$	8. $25k^2 - 9j^{10}$
9. $m^2 - 100$	10. $4p^2 - 20p + 25$
11. $36n^4 - 49v^6$	12. $9z^2 - 12z + 4$
13. $4x^2 + 4xy + y^2$	14. $49m^2 - 42mn + 9n^2$
15. $121j^8 - 64k^2$	16. $a^2b^2 + 2abc + c^2$