

ALL PROBLEMS CAN BE COMPLETED ON THIS WORKSHEET

**WS 12B.2 – More Factoring Polynomials by GCF**

#1-16, Factor by the GCF method. If there is no GCF, write "prime."	
1. $10y + 20$	2. $12j^2 - 18k$
3. $2a^5 + a^7$	4. $4p^{10}q^7r^2 - 15p^8q^7r$
5. $30x^3 + 6x^4$	6. $8n - 28n^3k$
7. $4ab^8 - 20a^4b^8$	8. $10k^3 + 20k^2 - 25k$
9. $12x^3 - 27y^2 - 25z^2$	10. $14q^4 - 42q^9$
11. $36m^7n^{11} - 27m^5n^5 + 9m^4n^2$	12. $64a^8b^3c^6 - 40a^6b^7c^2 + 48b^{10}c^4$
13. $25e^2 - 30e + 15$	14. $14w^2z^4 - 20w^3y^6 + 18y^8z^3$
15. $x^{a+1} + x^a$	16. $3w^{x+5} + 9w^{2x+3}$