

Name _____ Date _____ Per _____

Factoring GCF Assignment

Factor the greatest common factor out of the polynomial. If the *GCF* is 1, write *PRIME*.

1. $8x^2 + 10x$

2. $12y - 16$

3. $-15d^5 + 45d^3$

4. $13a + 20b$

5. $c^3 + c^2 - c$

6. $6n^2 - 30n + 42$

7. $-7m^2 - 10m + 17$

8. $18p^3 - 63p^2 - 9p$

9. $18x^2 - 50y^2$

10. $100z^9 + 50z^6 - 75z^5$

11. $36rs^2 - 108r^2s^3$

12. $36k - 30$

13. $a^7b - a^{10}$

14. $2c^5d^4 - 3c^4 + 4c^3$

15. $3g^8 + 3g^7$

16. $18x^5 - 48x^4 + 56x^3 - 86x$

17. $23y^{10} - 46y^7 + 68y^2 + 10y$