

ALL PROBLEMS CAN BE COMPLETED ON THIS WORKSHEET

WS 13A.1 - Factoring by 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. $x^2 + 4x - 5$

2. $r^2 + 6r + 8$

3. $z^2 - 23z - 24$

4. $m^2 - 4m - 12$

5. $k^2 - 5k + 4$

6. $q^2 - q - 12$

7. $g^2 - 12g + 35$

8. $x^2 + 4x - 8$

9. $r^2 - 4rs - 21s^2$

10. $12 + 7d + d^2$

11. $a^2 - 6ab - 27b^2$

12. $x^2 - xy - 2y^2$

13. $m^2 - 14mn + 13n^2$

14. $8n^2 + 19np + 6p^2$

15. $x^2 - 8xy - 20y^2$

16. $a^2 - 9ab - 52b^2$

17. $y^4 + 23y^2 - 50$

18. $p^2 + 25pq - 350q^2$

19. $w^8 - 2w^4 - 3$

20. $16d^2 - 289d + 18$