

Name: _____

Date: _____

Factoring Trinomials 5 – Factor Out

Section I. Factor by factoring out

1. $2x^2 - 10x$

2. $5x - 20x^2$

3. $x^2y - 3x^2$

4. $ab^2 + 4b^2$

5. $x^2z + y^2z^2$

6. $c^4d^2 + c^2d^3$

7. $18x - 16y$

8. $15a + 25ab$

9. $4a + 20b$

10. $6m - 12n$

11. $3x - 6y + 12$

12. $4a - 8b + 16c$

13. $5 + 15n + 45m$

14. $7 + 28a - 35b$

15. $13a^2 - 169a$

16. $15g + 225g^3$

17. $8x - 56x^3$

18. $3f^2 + 12f^4$

19. $14m^2 + 35m^4$

20. $23j^5 - 46j^2$

21. $h^3 - 3h^2 + 17h^4$

22. $a^4 - 3a^3 + 17a^2$

23. $3y^3 + 3y^2 + 6y$

24. $5w^4 - 5w^2 + 25w$

25. $x^3 - 3x^2y + 3xy$

26. $6x^4 + 3x^3y^2 + 12x^2y^3$

27. $4g^4h - 16g^2h^2 + 4gh^4$

28. $6m^3n^2 - 12m^2n^3 + 18mn$

29. $15p^2q^2 + 225p^3q^3 + 15p^4q^4$

30. $13x^3y^2 + 39x^2y - 26xy^4$

31. $15j^3 + 24j^2 + 36j$

32. $7c^3 - 28c^2d + 35cd^3$

33. $a^3b^3 + a^2b^2 + ab$

34. $25mn + 5m^2n^2 + 15m^2n^3$