

Name:

Date:

Period:

Factor the following:

1. $45x^2 - 25$

2. $7ab - 35a^2b$

3. $16b^2 - 1$

4. $27x^2y^5 - 72x^3y^2$

5. $y^2 - 289$

6. $-5x^2 - 5x^3 - 15x^4$

7. $8x^3y^2 + 4x^3$

8. $20x^4 - 30x + 30$

9. $4x^2 - 25$

10. $16v^2 - 81$

11. $21p^6 + 30p^2 + 27$

12. $6a^3b^2 - 3a^2b$

13. $24m^4 + 40m^3 + 8m^2$

14. $121y^2 - 36x^2$

15. $16r^2 - 49s^2$

16. $30m^6 + 15mn^2 - 25$

17. $25x^2y^4 - z^4$

18. $20x^8y^2z^2 + 15x^5y^2z + 35x^3y^3z$

19. $18n^4 + 3n^3 - 21n^2 - 9n$

20. $18g^3h^4 - 27g^2h^2 + 18g^2h$

21. $4p^4q^2 - 9r^2s^4$

22. $30a^8 + 6a^5 + 27a^3 + 21a^2$

23. $50r^2 - 25rs$

24. $169k^2m^2 - 196$