

Factor each polynomial completely.

1. $2x^2 + 5x + 3$

21. $4z^3 - 18z^2 - 10z$

2. $4x^2 + 18x - 10$

22. $36z^3 - 66z^2 + 18z$

3. $5x^2 + 7x - 6$

23. $20p^4q^2 - 22p^3q^3 - 12p^2q^4$

4. $-20x^2z^3 + 20xz^3 + 15z^3$

24. $12x^2 + 2xy - 24y^2$

5. $49x^2 - 81$

25. $9z^2 + 30zw + 21w^2$

6. $25x^2 - 64$

26. $36x^2 - 3x - 5$

7. $3x^2 - 14x - 5$

27. $3x^2 - 17x - 6$

8. $2x^2 + 5x - 3$

28. $6x^2 - 17x + 12$

9. $3x^2 + 7x - 6$

29. $12x^2 + 11x - 15$

10. $5x^2 - 8xy - 4y^2$

30. $16x^2 + 40x + 25$

11. $20x^2 - 20x - 15$

31. $24x^2 + 5x - 36$

12. $24x^2 - 18x - 6$

32. $6x^2 + 19x + 10$

13. $8x^2 + 12x + 4$

33. $6x^2 - 7x - 3$

14. $14x^2 - 20x + 6$

34. $15x^2 + x - 6$

15. $15x^2 - 21x + 6$

35. $12x^2 + 19x + 4$

16. $10x^2yz + 5xy^2z - 30y^3z$

36. $6x^2 + 25x - 25$

17. $2ax^3 - 2ax^2 - 4ax$

37. $8x^2 - 6x - 9$

18. $2y^4 + y^3 - 3y^2$

38. $45x^4 + 56x^2 - 45$

19. $6x^4 - 3x^3 - 63x^2$

39. $-35x^2 + 68xy - 32y^2$

20. $8y^4z + 20y^3z + 12y^2z$

40. $20x^2 - 12x + 4$

