Name _____ Date _____
Mr. Schlansky Algebra 2

Algebra I Factoring Review

Factor each expression

1. $4x + 8$

2. $12x + 18$

3. $x^2 - 7x$

4. $2x^2 - 4xy$

5. $5x^2y - 20x$

6. $x^2 - 64$

7. $y^2 - 36$

8. $4t^2 - 25$

9. $9x^2 - 16y^4$

10. $36 - 25x^2$

11. $100y^4 - 49t^6$

12. $1 - 9x^8y^4$

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

14. $y^2 + 3y + 2$

15. $m^2 - 8m + 15$

16. $x^2 - 8x - 20$

17. $y^2 + 5y - 14$

18. $x^2 + x - 12$

19. $x^2 - 3x - 10$

20. $x^2 - 7x + 12$

21. $x^2 - 9x - 36$

22. $y^2 - 21y + 110$

23. $x^4 + 4x^2 - 12$

24. $x^6 - 6x^3 + 9$

25. $x^4 - 8x^2 - 9$

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

27. $2x^2 - 50$

28. $2x^2 - 8x - 10$

29. $3x^2 + 9x - 12$

30. $6x^2 - 54$

31. $2x^2 + 14x + 24$

32. $5x^2 - 500$

33. $ax^2 - 2ax - 8a$

34. $yx^2 - 64y$

35. $12x^2 - 75$

36. $x^4 - 81$

37. $2y^2 - 5y - 7$

38. $2x^2 + 15x - 8$

39. $3y^2 + 4y + 1$

40. $2x^2 + 13x + 6$

41. $2x^2 + 7x - 4$

42. $6x^2 - 11x - 10$

43. $2x^2 - 9x - 18$

44. $3x^2 + 2x - 8$

45. $8x^2 + 7x - 1$

46. $6x^2 + x - 12$

47. Factor completely: $6x^2 - 4x - 2$

48. Simplify: $3x^2 - 8x + 4$

49. Factor the expression $x^4 + 6x^2 - 7$ completely.

50. Factor completely, the expression: $2x^3 - 2x^2 - 12x$