

FACTORING WORKSHEET A**A**

1. $y^2 - 5y$

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

2. $4a^2 + 2a$

6. $3y^2 - 3y - 9$

3. $6y^2 + 3y$

7. $5x^2 - 5x + 15$

4. $y^3 + 9y^2$

8. $6x^2 - 3x^4$

9. $8y^2 + 4y^4$

12. $4x^2y - 12xy^2$

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

18. $y^2 - 6y + 9$

21. $x^2 + 16x + 64$

24. $a^2 + 4a + 4$

27. $y^2 + 36 + 12y$

30. $12a^2 + 36a + 27$

33. $32x^2 + 48x + 18$

10. $4ab - 6ac + 12ad$

13. $5x^2y^3 + 15x^3y^2$

16. $24x^3 - 36x^2 + 72x$

19. $x^2 - 8x + 16$

22. $x^2 + 1 + 2x$

25. $a^2 - 4a + 4$

28. $-18y^2 + y^3 + 81y$

31. $20y^2 + 100y + 125$

34. $1 - 8d + 16d^2$

11. $8xy + 10xz - 14xw$

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

17. $10a^4 + 15a^2 - 25a - 30$

20. $x^2 + 14x + 49$

23. $x^2 + 1 - 2x$

26. $y^2 + 36 - 12y$

29. $24a^2 + a^3 + 144a$

32. $2x^2 - 40x + 200$

35. $64 + 25y^2 - 80y$

36. $x^2 - 16$

40. $4x^2 - 25$

44. $3x^8 - 3y^8$

37. $y^2 - 9$

41. $100y^2 - 81$

45. $5x^4 - 5y^4$

38. $9x^2 - 25$

42. $6x^2 - 6y^2$

46. $4xy^4 - 4xz^4$

39. $4a^2 - 49$

43. $8x^2 - 8y^2$

47. $9a^4 - a^2b^2$

48. $a^2 + 2ab + b^2 - 9$

51. $c^2 + 4cd + 4d^2 - 9p^2$

54. $9 - (a^2 + 2ab + b^2)$

57. $xy + xz + wy + wz$

60. $y^2 - 8y - y + 8$

63. $2xy - x^2y - 6 + 3x$

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

52. $2m^2 + 4mn + 2n^2 - 50b^2$

55. $16 - (x^2 - 2xy + y^2)$

58. $b^3 - b^2 + 2b - 2$

61. $t^2 + 6t - 2t - 12$

50. $r^2 - 2r + 1 - 4s^2$

53. $12x^2 + 12x + 3 - 3y^2$

56. $ac + ad + bc + bd$

59. $y^3 - y^2 + 3y - 3$

62. $2y^4 + 6y^2 + 5y^2 + 15$

B

64. $\frac{4}{7}x^6 - \frac{6}{7}x^4 + \frac{1}{7}x^2 - \frac{3}{7}x$

65. $4y^{4a} + 12y^{2a} + 10y^{2a} + 30$

66. $0.25 - y^2$

67. $0.04x^2 - 0.09y^2$

68. $\frac{1}{25} - x^2$

69. $\frac{1}{36}y^4 - \frac{1}{81}x^2$