

EXTRA PRACTICE 11**Factoring Polynomials**

Use after Sections 5.1 - 5.4

17. $x^2 - 8x + 16 =$ _____

18. $a^2 - 9a + 14 =$ _____

19. $49x^2 - 1 =$ _____

20. $8x^4 - 4x^3 + 12x^2 =$ _____

21. $y^2 + 10y + 25 =$ _____

22. $3a^2 + 12a - 3 =$ _____

23. $x^4 - 81 =$ _____

24. $9y^2 - 12y + 4 =$ _____

25. $a^2 + 11a + 30 =$ _____

26. $8t^2 + 2t - 3 =$ _____

27. $75x^2 - 30x + 3 =$ _____

28. $3t^2 - 8t - 3 =$ _____

29. $x^2 + 3x + 8x + 24 =$ _____

30. $y^2 - 22y + 121 =$ _____

31. $x^2 - 2x - 3 =$ _____

32. $4x^2 - 24x + 36 =$ _____

33. $y^2 - 6y + 5 =$ _____

34. $25t^2 - 4 =$ _____

35. $14x^3 - 7x^2 + 21x =$ _____

36. $9x^2 + 42x + 49 =$ _____

37. $9x^2 - 81 =$ _____

38. $12x^2 + 4x - 5 =$ _____

39. $49a^2 - 28a + 4 =$ _____

40. $8x^2 - 29x - 12 =$ _____