

NAME \_\_\_\_\_

DATE \_\_\_\_\_

**Module 13** Solving Quadratic Equations  
of One Variable**Lesson 3** Solving Quadratic Equations  
by Factoring**additional  
practice****Solve by the factoring method.**

1.  $(x - 4)(x + 3) = 0$   
\_\_\_\_\_

2.  $(x - 6)(x - 8) = 0$   
\_\_\_\_\_

3.  $x(x + 6) = 0$   
\_\_\_\_\_

4.  $6m(2m - 3) = 0$   
\_\_\_\_\_

5.  $(3w + 4)(2w - 1) = 0$   
\_\_\_\_\_

6.  $(5y + 6)(y - 3) = 0$   
\_\_\_\_\_

7.  $x^2 + 12x + 35 = 0$   
\_\_\_\_\_

8.  $x^2 - 3x - 28 = 0$   
\_\_\_\_\_

9.  $n^2 + 16n + 63 = 0$   
\_\_\_\_\_

10.  $s^2 + 4s - 32 = 0$   
\_\_\_\_\_

11.  $x^2 + 7x + 6 = 0$   
\_\_\_\_\_

12.  $x^2 + 15x - 54 = 0$   
\_\_\_\_\_

13.  $x^2 + 9x = 0$   
\_\_\_\_\_

14.  $z^2 - 6z = 0$   
\_\_\_\_\_

15.  $x^2 + 2x - 25 = 9x + 35$   
\_\_\_\_\_

16.  $P^2 + 12P + 32 = 15P + 50$   
\_\_\_\_\_

17.  $x^2 + 19x + 42 = 2x + 42$   
\_\_\_\_\_

18.  $5x^2 - 13x + 20 = 5 + x^2 - 25x + 15$   
\_\_\_\_\_

19.  $3K^2 - 12K + 23 = 2K^2 - 4$   
\_\_\_\_\_

20.  $5R^2 + R - 12 = 4R^2 - 3R$   
\_\_\_\_\_

21.  $42x^2 + 13x - 3 = -4x + 1$   
\_\_\_\_\_

22.  $12x^2 + 28x + 19 = -3x^2 - 6x + 4$   
\_\_\_\_\_

23.  $25x^2 - 20x + 30 = 20x + 14$   
\_\_\_\_\_

24.  $20x^2 - 13x + 3 = -16x^2 - x + 2$   
\_\_\_\_\_

