Name:_____Date:_____Per:_____

Factor Trinomials in the Form $x^2 + bx + c$
Worksheet 537

Factor each trinomial.

1. $t^2 + 8t + 12$

2. $n^2 + 7n + 12$

3. $p^2 + 9p + 20$

4. $h^2 + 9h + 18$

5. $n^2 + 3n - 18$

6. $x^2 + 2x - 8$

7. $y^2 - 5y - 6$

8. $g^2 + 3g - 10$

9. $s^2 + 4s - 12$

10. $x^2 - x - 12$

11. $w^2 - w - 6$

12. $y^2 - 6y + 8$

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

14. $b^2 - 9b + 8$

15. $c^2 - 15c + 56$

Solve each equation.

16. $x^2 - 6x + 8 = 0$

17. $b^2 - 7b + 12 = 0$

18. $m^2 + 5m + 6 = 0$

19. $d^2 + 7d + 10 = 0$

20. $y^2 - 2y - 24 = 0$

21. $p^2 - 3p = 18$

22. $h^2 + 2h = 35$

23. $a^2 + 14a = -45$

24. $n^2 - 36 = 5n$