

**8-6****Practice**

Form G

Factoring  $ax^2 + bx + c$ **Factor each expression.**

1.  $2w^2 + 13w + 15$

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

3.  $4n^2 + 62n - 32$

4.  $3p^2 - 7p - 40$

5.  $6r^2 - 10r - 24$

6.  $3d^2 + 20d + 12$

7.  $14k^2 - 67k + 63$

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

9.  $3x^2 + 9x - 84$

10.  $4y^2 + 26y + 30$

11.  $5t^2 - 24t - 5$

12.  $7c^2 - 2c - 9$

13.  $8k^2 - 42k + 27$

14.  $6g^2 - 2g - 20$

15.  $2c^2 - 23c + 11$

20.  $6x^2 - 10x - 4$

21.  $6d^2 + 21d + 15$

22.  $8n^2 + 68n + 84$

23.  $20p^2 - 115p - 30$

24.  $15r^2 + 141r - 90$

25.  $12z^2 - 14z + 4$

26.  $20k^2 + 110k + 120$

27.  $9m^2 - 66m + 21$

28.  $40x^2 - 136x - 96$

29.  $42y^2 + 28y - 14$

30.  $8t^2 - 16t - 90$

31.  $24c^2 + 96c + 90$

41.  $28y^2 + 43y - 48$

42.  $16z^2 - 54z + 35$

43.  $27n^2 - 54n + 15$

44.  $36p^2 + 63p + 20$

45.  $28r^2 - 20r - 33$

46.  $30z^2 - 53z + 12$

47.  $32x^3 + 28x^2 + 5x$

48.  $25p^2 + 20pq - 12q^2$

49.  $72g^2h - 43gh + 6h$