

## Practice

**Factoring Using the Distributive Property****Complete.**

1.  $8m - 6 = 2(4m - \underline{\hspace{2cm}})$

2.  $36a^2 + 24b^2 = 12(\underline{\hspace{2cm}} + 2b^2)$

3.  $12x^3y - 15xy = \underline{\hspace{2cm}}(4x^2 - 5)$

4.  $5a^2b - 10a^2b^2 = \underline{\hspace{2cm}}(1 - 2b)$

**Factor each polynomial.**

5.  $5a^2 - 15$

6.  $7x + 49$

7.  $2y + 6xy$

8.  $8ax - 56a$

9.  $36xy^2 - 48x^2y$

10.  $75b^2c^3 + 60bc^6$

11.  $64 - 40ab$

12.  $81 - 36xy$

13.  $t^2h + 3t$

14.  $6p - 72$

15.  $81r + 48rs$

16.  $5c^3 - 2c^2$

17.  $82e^3 - 122ef$

18.  $10q - 25q^2$

19.  $xy^2 + xy$

20.  $15cd + 30c^2d^2$

21.  $a^2b^2 + a$

22.  $6r^2s - 3rs^2$

23.  $\ell^2 - 9\ell$

24.  $4d^2 + 16$

25.  $6z^4 - 18z^3$

26.  $20p^2 - 16p^2q^2$

27.  $6m^4 - 60$

28.  $7a^3 + 14a^2$

29.  $16wv^4 + 12w^3v^2$

30.  $9c^4d^3 - 6c^2d^4$

31.  $6y + 15y^2$

32.  $30x^3y + 35x^2y^2$

33.  $6e^3f - 11ef$

34.  $20r^3s^2 + 25rs^3$

35.  $34x^4y^3 - 17x^2y^5$

36.  $35m^3n + 105m^2n^3$

37.  $2d^2e^2 - 8d^6e^6$