

## LESSON

**Practice B****8-6** *Choosing a Factoring Method*

Tell whether each polynomial is completely factored. If not, factor it.

1.  $6(t^2 + 12)$

\_\_\_\_\_

2.  $5(m^2 + 9m)$

\_\_\_\_\_

3.  $2p(p^4 - 9)$

\_\_\_\_\_

4.  $(x - 8)(2x + 3)$

\_\_\_\_\_

5.  $3k^3(5k^2 + 19)$

\_\_\_\_\_

6.  $7(14g^4 - 4g + 10)$

\_\_\_\_\_

Factor each polynomial completely.

7.  $24x + 40$

\_\_\_\_\_

8.  $5r^3 - 10r$

\_\_\_\_\_

9.  $3x^3y + x^2y^2$

\_\_\_\_\_

10.  $-3a^2b + 12ab - 12b$

\_\_\_\_\_

11.  $5t^3 - 45t + 3t^2 - 27$

\_\_\_\_\_

12.  $2y^2 - 6y - 56$

\_\_\_\_\_

13.  $6a^3 + 39a^2 + 45a$

\_\_\_\_\_

14.  $x^3 - 9x$

\_\_\_\_\_

15.  $12n^3 - 48$

\_\_\_\_\_

16.  $3c^4 + 24c^3 + 48c^2$

\_\_\_\_\_

17.  $3d^3 + 4d - 2$

\_\_\_\_\_

18.  $10w^6 - 160w^2$

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