

Name \_\_\_\_\_ Period \_\_\_\_\_ Date \_\_\_\_\_

### Practice Quiz Questions

1. Find the factors of 225. Then classify the number as *prime* or *composite*.
2. Find the prime factorization of  $-320$ .
3. Factor  $78a^2bc^3$  completely.
4. Find the GCF of  $54x^3$ ,  $42x^2y$ , and  $30xy^2$ .

Factor each polynomial.

5.  $4xy^2 - xy$

6.  $32a^2b + 40b^3 - 8a^2b^2$

7.  $6py + 16p - 15y - 40$

Solve each equation. Check your solutions.

8.  $(8n + 5)(n - 4) = 0$

9.  $9x^2 - 27x = 0$

10.  $10x^2 = -3x$

|  |  |
|--|--|
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

|  |  |
|--|--|
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |