

11.3  
Part 1

NAME \_\_\_\_\_

DATE \_\_\_\_\_

## Practice Worksheet

### Geometric Sequences

Find the first four terms of each geometric sequence described.

1.  $a_1 = -6, r = -\frac{2}{3}$

2.  $a_1 = 2, r = \sqrt{3}$

3.  $a_1 = -\frac{5}{2}, r = 2$

4.  $a_1 = \sqrt{2}, r = \sqrt{3}$

Find the  $n$ th term of each geometric sequence described.

5.  $a_1 = 5, n = 4, r = 3$

6.  $a_4 = 20, n = 6, r = -3$

7.  $a_1 = -4, n = 6, r = -2$

8.  $a_6 = 8, n = 12, r = \frac{1}{2}$

Find the missing geometric means.

10. \_\_\_\_\_, \_\_\_\_\_, 2, \_\_\_\_\_, \_\_\_\_\_, 54

11. 32, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, 162