

Activity 8 (List The Missing!)

Directions: Find the indicated terms in each geometric sequence.

1. 1, 4, 16, 64, ..

a. a_1

b. a_{10}

c. $r=?$

2. 1, -5, 25, -125, ...

a. a_8

b. a_{12}

c. $r=?$

3. 0.4, 0.06, 0.009, ...

a. a_6

b. a_9

c. $r=?$

4. 10, -10, 10, -10, ...

a. a_{20}

b. a_{31}

c. $r=?$

5. 3, $15/2$, $75/4$, ...

a. a_7

b. a_{10}

c. $r=?$