



Name: _____

Date: _____

Solve each geometric sequence problem.

Solve for x. Show your work.

1. Write the explicit formula for: 2, 4, 8, 16, ...
2. Write the explicit formula for: 2, 4, 8, 16, ...
3. An investment of \$200 doubles each year. How many after 5 periods?
4. Write the explicit formula for: 2, 4, 8, 16, ...
5. An investment of \$100 doubles each year. How many after 4 periods?
6. Bacteria start at 200 and triple each hour. How many after 4 periods?
7. a_n if $a_1 = 2$ and $r = 2$
8. Write the explicit formula for: 4, 8, 16, 32, ...



Solve each geometric sequence problem. – Answer Key

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