

Class 9 Mathematics - Predicting What Comes Next: Exploring Sequences and Progressions

Name: _____

Date: _____

Advanced Worksheet 2

Questions

1. Find the next three terms:
1, 4, 9, 16, 25, __, __, __
2. Write the n th term of the sequence:
1, 4, 9, 16, 25, ...
3. Find the 15th term of the sequence.
4. Find the 20th term of the sequence.
5. Is 441 a term of the sequence?
6. Which term of the sequence is equal to 625?

Answer Key

1. 36, 49, 64
2. $t_n = n^2$
3. 225
4. 400
5. Yes
6. 25th term