

Name _____
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Date _____
Algebra II

Writing Equations of Sequences Explicitly

1. Write an explicit equation for the following sequence and use the equation to find the tenth term.

-1,3,7,11...

2. Write an explicit equation for the following sequence and use the equation to find the tenth term.

19, 16, 13, 10 ...

3. Write an explicit equation for the following sequence and use the equation to find the tenth term.

2,8,32,128,...

4. Write an explicit equation for the following sequence and use the equation to find the tenth term.

-509, -503, -497, -491 ...

5. Write an explicit equation for the following sequence and use the equation to find the fifteenth term.

5, -10, 20, -40, 80, ...

6. Write an explicit equation for the following sequence and use the equation to find the twelfth term.

11, 14, 17, 20, 23, ...

7. Write an explicit equation for the following sequence and use the equation to find the ninth term.

2, 6, 18, 54, ...

8. Write an explicit equation for the following sequence and use the equation to find the 22nd term.

63, 57, 51, 45, ...

9. Write an explicit equation for the following sequence and use the equation to find the 15th term.

3, -12, 48, -192, ...

10. Write an explicit equation for the following sequence and use the equation to find the 7th term.

-5, -15, -45, -135, ...

11. Write an explicit equation for the following sequence and use the equation to find the 30th term.

-99, -92, -85, -78, ...