

Classwork 1.2

Algebra I

NAME: _____

DATE: _____ HOUR: _____

Use differences to find the next three terms of each sequence.

1.

3	4	19	84	259	628			
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2.

12	19	28	39	52			
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3. A number pattern starts with 0. The first differences start with 1. The second differences are constant at 2. Write the first five terms of the sequence.

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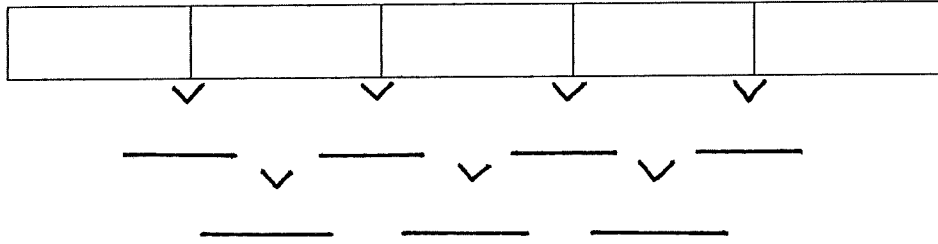
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What is another name for these numbers? _____

4. A number pattern starts with 10. The first differences start with 7. The second differences are constant at 1. Write the first five terms of the sequence.



Find the next three terms of each sequence.

5. 9, 11, 8, 10, 7, 9, 6, _____, _____, _____, ...
6. 125, 122, 116, 107, 95, _____, _____, _____, ...
7. 187, 178, 170, 163, 157, _____, _____, _____, ...
8. -1, 1, 5, 11, 19, _____, _____, _____, ...
9. 3, 12, 27, 48, 75, _____, _____, _____, ...
10. 6, 15, 28, 45, 66, _____, _____, _____, ...
11. During a bowling tournament, a bowler scored 162, 164, 168, and 174. If this pattern continues, what will be the scores of the next two games?