

Name _____ Period _____

Section 11-3 Homework - Day 1

1. A 30-row theater has 10 seats in the front row. The second row has 11 seats. If each row has one more than the row in front of it, how many seats are there in the theater?

[A] 750

[B] 1470

[C] 1500

[D] 735

[1] _____

2. A 60-row theater has 30 seats in the front row. The second row has 31 seats. If each row has one more than the row in front of it, how many seats are there in the theater?

[A] 3570

[B] 7200

[C] 7140

[D] 3600

[2] _____

3. Find the sum of the first 14 terms of the sequence 5, 11, 17, 23, ...

[3] _____

4. Find the sum of the first 13 terms of the sequence 3, 7, 11, 15, ...

[4] _____