Extra Practice Sec. 10.1, 10.2 & 10.5

Find the first four terms for each sequence.

1. 2.

Write a possible explicit rule for the nth  term of each sequence.

1. 6, 11, 16, 21, 26, … 4.

Write the explicit rule for:

5. 3+5+7+9+… 6. Simplify:

Find the 9th term of the arithmetic sequence:

7. 21, 32, 43, 54, 65, …

8. Expand using Pascal’s Triangle:

Find the 9th term of the arithmetic sequence.

9.

10. Find the binomial coefficient using:

Find the indicated Sum. For the Arithmetic series:

11.

Find the missing term of the arithmetic sequence.

12.

Answers: Extra Practice 10.1, 10.2, and 10.5

1. 2, 1, 3, -1 2) 2, 3, 5, 9 3) 4) 5) or 6) 7) =109

8) 9) =20 10) 792 11) 12) 17, 20