**Write the “Next/Now”, Recursive, “A(n) =” and “y =” equations for each of the following situations.**

1. A(1) = 5 d = -2 2. 14, 5, -4, -13, … 3. 9, 13, 17, 21, ….

Next/Now\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Next/Now\_\_\_\_\_\_\_\_\_\_\_\_\_ Next/Now\_\_\_\_\_\_\_\_\_\_\_\_\_

Recursive \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Recursive \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Recursive \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

A(n) = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ A(n) =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ A(n) =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. 5.

Next/Now\_\_\_\_\_\_\_\_\_\_\_\_\_ Next/Now\_\_\_\_\_\_\_\_\_\_\_\_\_

Recursive \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Recursive \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

A(n) =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ A(n) = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6. 7.

|  |  |
| --- | --- |
| n | A(n) |
| 1 | 22 |
| 2 | 29 |
| 3 | 36 |
| 4 | 43 |

|  |  |
| --- | --- |
| n | A(n) |
|  1 | 18 |
|  | 11 |
| 3 |  |
| 4 | -3 |

Next/Now\_\_\_\_\_\_\_\_\_\_\_\_\_ Next/Now\_\_\_\_\_\_\_\_\_\_\_\_\_

Recursive \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Recursive \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

A(n) =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ A(n) =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Find the 21st term, 30th term, and the 100th term. (Hint: find the equation and plug in)**

8. 4, 14, 24, 34, … 9. 27, 21, 15, 9, … 10. -4, -1, 2, 5 ….

A(21) = \_\_\_\_\_\_\_\_\_ A(21) = \_\_\_\_\_\_\_\_\_ A(21) = \_\_\_\_\_\_\_\_\_

A(30) = \_\_\_\_\_\_\_\_\_ A(30) = \_\_\_\_\_\_\_\_\_ A(30) = \_\_\_\_\_\_\_\_\_

A(100) = \_\_\_\_\_\_\_\_\_\_\_ A(100) = \_\_\_\_\_\_\_\_\_\_\_ A(100) = \_\_\_\_\_\_\_\_\_\_\_