# Algebra IA NAME:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# Ch. 1 Practice an DATE:\_\_\_\_\_\_\_\_\_\_\_\_ HOUR:\_\_\_\_

Finding an Patterns Using Table Data

Use the table data to complete an algebraic equation for an.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  n |  1 |  2 |  3 |  4 |
| an |  2 |  4 |  6 |  8 |

1. an= \_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  n |  1 |  2 |  3 |  4 |
| an |  7 |  14 |  21 |  28 |

2. an= \_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  n |  1 |  2 |  3 |  4 |
| an |  5 |  10 |  15 |  20 |

3. an= \_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  n |  1 |  2 |  3 |  4 |
| an |  -2 |  -4 |  -6 |  -8 |

4. an= \_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  n |  1 |  2 |  3 |  4 |
| an |  -4 |  -8 |  -12 | -16 |

5. an= \_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  n |  1 |  2 |  3 |  4 |
| an |  6 |  8 |  10 |  12 |

6. an= \_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  n |  1 |  2 |  3 |  4 |
| an |  12 |  14 |  16 |  18 |

7. an= \_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  n |  1 |  2 |  3 |  4 |
| an |  7 |  10 |  13 |  16 |

8. an= \_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  n |  1 |  2 |  3 |  4 |
| an |  22 |  24 |  26 |  28 |

9. an= \_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  n |  1 |  2 |  3 |  4 |
| an |  10 |  17 |  24 |  31 |

10. an= \_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  n |  1 |  2 |  3 |  4 |
| an |  5 |  4 |  3 |  2 |

11. an= \_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  n |  1 |  2 |  3 |  4 |
| an |  14 |  12 |  10 |  8 |

12. an= \_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  n |  1 |  2 |  3 |  4 |
| an |  32 |  34 |  36 |  38 |

13. an= \_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  n |  1 |  2 |  3 |  4 |
| an |  22 |  18 |  14 |  10 |

14. an= \_\_\_\_\_\_\_\_\_\_\_\_