# 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= \_\_\_\_\_\_\_\_\_\_\_\_