

Utilizing the Explicit Formula
Unit 6: Representations of Linear Relations

For each of the following find the explicit formula and...

- A. Identify the next three terms
- B. Find the term named in the problem
- C. Find the 52nd term.

1. 1, -9, -19, -29, ... Find a_{39}	2. 38, 31, 24, 17, ... Find a_{24}
3. -22, -24, -26, -28, ... Find a_{27}	4. 3, -6, -15, -24, ... Find a_{39}
5. 33, 37, 41, 45, ... Find a_{20}	6. 34, 26, 18, 10, ... Find a_{23}
7. -7, -1, 5, 11, ... Find a_{29}	8. 39, -61, -161, -261, ... Find a_{37}
9. -16, -116, -216, -316, ... Find a_{40}	10. -18, -8, 2, 12, ... Find a_{34}

11. 29, 35, 41, 47, ... Find a_{26}	12. 2, -3, -8, -13, ... Find a_{40}
13. -1, -11, -21, -31, ... Find a_{24}	14. -19, -219, -419, -619, ... Find a_{27}
15. 40, 46, 52, 58, ... Find a_{29}	16. 6, 16, 26, 36, ... Find a_{35}
17. 31, 231, 431, 631, ... Find a_{39}	18. -21, -11, -1, 9, ... Find a_{40}
19. -2, -9, -16, -23, ... Find a_{27}	20. 40, 30, 20, 10, ... Find a_{25}