Algebra 1   Name_____

Arithmetic Sequences - Explicit Formula

Date_____ Period_____

Find the common difference. Write the explicit formula. Determine the unknown term in the arithmetic sequence.

1) $-3,\ 7,\ 17,\ 27,\ ...$
   Find a_{33}

2) $32,\ 41,\ 50,\ 59,\ ...$
   Find a_{40}

3) $32,\ 40,\ 48,\ 56,\ ...$
   Find a_{34}

4) $-28,\ -38,\ -48,\ -58,\ ...$
   Find a_{33}

5) $-13, -23, -33, -43, ...$
   Find a_{23}

6) $-19, -17, -15, -13, ...$
   Find a_{29}

7) $-30, -130, -230, -330, ...$
   Find a_{38}

8) $-12, -17, -22, -27, ...$
   Find a_{40}

9) $29, -171, -371, -571, ...$
   Find a_{32}

10) $-24, -14, -4, 6, ...$
    Find a_{21}