

7th & 9th periods - Arithmetic Sequences

May 4, 2020

Period \_\_\_\_\_

**Find the common difference and the three terms in the sequence after the last one given.**

1)  $-20, -50, -80, -110, \dots$

2)  $14, 214, 414, 614, \dots$

3)  $-21, -14, -7, 0, \dots$

4)  $39, -61, -161, -261, \dots$

5)  $-26, -22, -18, -14, \dots$

**Find the common difference and the term named in the problem.**

6)  $2, 10, 18, 26, \dots$   
Find  $a_{30}$

7)  $-23, -17, -11, -5, \dots$   
Find  $a_{25}$

8)  $20, 15, 10, 5, \dots$   
Find  $a_{31}$

9)  $-30, -32, -34, -36, \dots$   
Find  $a_{36}$

10)  $-23, -20, -17, -14, \dots$   
Find  $a_{37}$