FMP 10   LG 5A QUIZ (Formative Assessment)

Marking Teacher: _____

Name: _____

Student #: _____

1. Determine whether the following sequences are arithmetic. If so, state the common difference.

   a) 4, 6, 10, 16, ….

   b) -4, -8, -12, -16, ….

2. State the first four terms of each arithmetic sequence given t_1 and d.

   a) $t_1 = 18$, $d = -5$

   b) $t_1 = -77$, $d = 12$

3. Find the indicated term for $t_n = 5n - 3$

   a) t_{11}

   b) t_{34}

4. State the missing terms of the sequence.

   -4, _____, _____, _____, 20

5. Determine the value of x and state the three terms for
   $x - 1,\ 3x + 4,\ 4x + 11$ that are consecutive terms of an arithmetic sequence.

6. How many terms are in the sequence $5, 1, -3, -7, \ldots, -39$?

7. Find the 15th term: $3, 10, 17, 24, 31, \ldots$ _____

8. Determine the first three terms of all the multiples of 6 between 1 and 99.

The first three terms of an arithmetic sequence are given by $x, \ 3x - 1, \ 9$.

9. Determine t_1

10. Determine d

Directions: ☐ **See me about this** ☐ **Move on to next guide** ☐ **Review and redo**

FMP 10 LG 5B QUIZ (Formative Assessment)

Marking Teacher: _____

Name: _____

Student #: _____

1. Determine whether the following sequences is arithmetic. If so, state the common difference.

    a) $11, 6, 1, -4, \ldots$

    b) $3, 6, 12, 24, \ldots$

2. State the first four terms of each arithmetic sequence given t_1 and d.

    a) $t_1 = 6,$ $d = -3$

    b) $t_1 = -10,$ $d = 5$

3. Find the indicated term for $t_n = -2n + 6$

    a) t_6

    b) t_{52}

4. State the missing terms of the sequence.

    _____, 3 , _____, _____, 24

5. Determine the value of x and state the three terms for
$x + 2, \; 3x - 7, \; 4x - 11$ that are consecutive terms of an arithmetic sequence.

6. How many terms are in the sequence -2, 1, 4, 7, …, 52?

7. Find the 25th term: 53, 50, 47, 44, 41, … _____

8. Determine the first three terms of all the multiples of 3 between 1 and 999.

The first three terms of an arithmetic sequence are given by x, $2x + 5$, 13.3.

9. Determine t_1

10. Determine d

Directions: ☐ **See me about this**   ☐ **Move on to next guide**   ☐ **Review and redo**