1. For the arithmetic sequence -1.5, -0.7, 0.1, 0.9,...find the common difference.

    d=

2. There is an arithmetic sequence whose first term is 1 and the common difference is -2. What are the first two terms of the arithmetic sequence?

    1st term_____    2nd term_____

3. Is 4.1, 7.2, 10.3, 13.4 an arithmetic sequence?   Yes or No

4. There is an arithmetic sequence whose first term is 3 and the common difference is 9. What is the equation for this sequence?   Equation: _____
    Is the 4th term 31?   Yes or No
    Show your work.

5. The 45th term of an arithmetic sequence having b=3 and d=8 is:
    a.  363        b.  364        c.  365        d.  366
    Show your work below to prove it.

    What is the equation for the sequence above?_____

6. Match the following arithmetic sequences with their common differences:
    a)  3, 14, 25, 36              1)  -11
    b)  45, 68, 91, 113           2)  -2
    c)  68, 57, 46, 35            3)  11
    d)  1, -1, -3, -5             4)  not an arithmetic sequence

7. What is the equation for the arithmetic sequence of 343, 336, 329, ...?   Equation: _____
    Is 0 a term of this sequence? Yes or No
    Show your work below to prove it.