

Math Quiz -4.2 Arithmetic Sequences (8th)

Name: _____

Find the indicated term of each arithmetic sequence. If it is not an arithmetic sequence then write : No Answer

Write a function rule for the n th term in the arithmetic sequences below.

1. a_{50} of 0.2, 0.4, 0.6, 0.8...

6. 1, 4, 7, 10,...

2. a_{10} of 0.1, 0.4, 0.7, 1.0...

7. -2.3, 1.7, 5.7, 9.7,...

3. a_{63} of 1, 3, 9, 27...

8. $10/3, 19/3, 28/3, 37/3...$

4. a_9 of $y+5, 3y+9, 5y+13, 7y+17...$

9. A tractor trailer travels 315 miles the first day of each trip. Each day thereafter it travels another 105 miles. What is the first day on which it will have traveled more than 1000 miles?

5. a_{10} of 11, 5, -1, -7...