

FLUENCY PRACTICE: Finding Arithmetic Sequences Functions

Name: _____

Period: _____

Directions: Answer the question to each problem. **Show all work!**

1. What is the function for the arithmetic sequence if $a_{34} = 120.5$ and $a_{23} = 82$?
2. What is the function for the arithmetic sequence if $a_{19} = 469$ and $a_{48} = 353$?
3. What is the function for the arithmetic sequence if $a_{84} = 375$ and $a_9 = -75$?
4. What is the function for the arithmetic sequence if $a_{31} = 66$ and $a_{62} = -73.5$?
5. What is the function for the arithmetic sequence if $a_{15} = 83.9$ and $a_{28} = 154.1$?
6. What is the function for the arithmetic sequence if $a_{43} = -218.7$ and $a_{34} = -117.9$?

7. What is the function for the arithmetic sequence if $a_7 = 903.5$ and $a_{186} = -260$?

8. What is the function for the arithmetic sequence if $a_{50} = 713$ and $a_{100} = 1763$?