Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_

Use the two given terms to find an nth term rule for the sequence.

1) $a\_{7}=-17 and a\_{25}= -71$

2) $a\_{11}=23 and a\_{42}=85$

3) $a\_{3}=-6 and a\_{12}=-3$

4) $a\_{8}=24 and a\_{2}=9$

5) $a\_{8}=-27 and a\_{2}=-47$

6) $a\_{4}=37 and a\_{12}=85$

7) $a\_{13}=-20 and a\_{30}=-54$

8) $a\_{5}=25 and a\_{11}=73$

9) $a\_{10}=-2 and a\_{25}=-14$

10) $a\_{16}=14 and a\_{28}=23$