Practice worksheet | Sequences and series

Arithmetic sequences

Name: _____ Date: _____

6 questions | 13 marks

1. Find d, u_{12} for $-4, 3, 10, \ldots$. [2 marks]

2. Find a when $u_8 = 31, d = 4$. [2 marks]

3. An arithmetic sequence has $u_3 = 14, u_9 = 38$. Find u_{20}. [2 marks]

4. Is 104 a term of $5, 11, 17, \ldots$? [2 marks]

5. Insert three arithmetic means between 6 and 26. [2 marks]

6. Row 1 needs 9 tiles; each later row needs 4 more. Which row first needs more than 100? [3 marks]