

11.2 Part
1

NAME _____

DATE _____

Practice Worksheet

Arithmetic Sequences

Find the n th term of each arithmetic sequence.

1. $a_1 = -5, d = 4, n = 9$

2. $a_1 = 13, d = -\frac{5}{2}, n = 29$

3. $a_1 = 3, d = -4, n = 6$

4. $a_1 = -5, d = \frac{1}{2}, n = 10$

Complete each statement.

5. 97 is the _____th term of $-3, 1, 5, 9, \dots$

6. -10 is the _____th term of $14, 12.5, 11, 9.5, \dots$

Find the indicated term in each arithmetic sequence.

7. a_{15} for $-3, 3, 9, \dots$

8. a_{19} for $17, 12, 7, \dots$

Find the missing terms in each arithmetic sequence.

11. $3, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}, 20$

12. $\underline{\hspace{1cm}}, -10, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}, 14$