

Topic 11.1
Arithmetic Sequences
Homework

Name: _____
Date: _____

Find the next four terms of each arithmetic sequence.

1. 26, 20, 14, ... 2. $\frac{1}{3}, 1\frac{1}{6}, 2, \dots$ 3. 317, 313, 309,

Find the first five terms of each arithmetic sequence described.

4. $a_1 = 3, d = -2$ 5. $a_1 = \frac{2}{3}, d = -\frac{1}{3}$ 6. $a_1 = \frac{5}{7}, d = \frac{3}{7}$

Find the n th term of each arithmetic sequence.

7. $a_1 = 6, d = \frac{2}{3}, n = 11$ 8. $a_1 = 16, d = -\frac{3}{2}, n = 20$ 9. $a_1 = 20, d = 4, n = 37$

Complete each statement.

10. 462 is the _____th term of -2, 6, 14,
11. 67 is the _____th term of $8, 8\frac{1}{2}, 9, \dots$

Find the arithmetic means in each sequence.

12. 5, _____, _____, _____, -3
13. -7, _____, _____, _____, 1
14. _____, _____, 3, _____, -11
15. _____, 10, _____, _____, 4, _____