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, ...

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 nth 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,....

Find the arithmetic means in each sequence.

12. 5, _____, _____, _____, -3

13, -7, _____, _____, _____, 1

14. _____, _____, 3, _____, -11

15. _____, 10, _____, _____, 4, _____