

Directions – Each problem below is arithmetic. Complete each one and show your work!

1.) What are the next four terms in the sequence 23 , 28 , 33 , _____ , _____ , _____ , _____ , ... ?	2.) What is the eighteenth term for the sequence 94 , 106 , 118 , ... ?
3.) The thirty-fourth term of a sequence is – 306 and the common difference is – 8. What is the second term of the sequence?	4.) What are the three arithmetic means for the sequence between 34 and 22?
5.) The 23 rd term of a sequence is 358 and the 15 th term of the same sequence is 230. What is the first term?	6.) What is the sum of the first six terms for the series of $a_n = 3n + 7$?
7.) What is the sum of first 11 terms if the first term is 16 and the common difference is – 4?	8.) What is the sum of the arithmetic series $25 + 39 + \dots + 179$?
9.) The sum of first 23 terms is 3,496 and the first term is 9. What is the last term in the series?	10.) What is the sum for $\sum_{n=3}^{10} 5n + 4$?