For questions 1 through 5, the first term of the sequence is given. If the sequence is arithmetic, the common difference, $d$, is also given. If the sequence is geometric, the common multiple, $r$, is given. Use the given information to list the first 5 terms of the sequence.

1. $a_1 = -7, \quad d = 3$
2. $a_1 = 2, \quad d = 5$
3. $a_1 = 6, \quad r = \frac{1}{3}$
4. $a_1 = -11, \quad r = -1$
5. $a_1 = 1, \quad r = 0$

For questions 6 through 10, write out the sentence with numbers, and then use the formulas for sums of arithmetic and geometric sequences to find the indicated sums. (hint: read carefully.)

6. Find the sum of the first 100 positive integers.

7. Find the sum of the first 100 even numbers.

8. Find the sum of the first 100 odd numbers.

9. Find the sum of the first 50 multiples of 3.

10. Find the sum of the first 50 powers of 3.