ARITHMETIC SERIES

USE THE FOLLOWING INFORMATION ABOUT AN ARITHMETIC SERIES TO COMPLETE:

1. $a_1 = 4,\ a_2 = 7,\ S_{10} =$ _____

2. $a_1 = 9,\ a_2 = 20,\ S_{13} =$ _____

3. $a_1 = 15,\ d = 10,\ S_{20} =$ _____

4. $a_1 = 17,\ d = 8,\ S_{30} =$ _____

5. $a_1 = 14,\ d = -2,\ S_{15} =$ _____

6. $a_1 = 29,\ d = -3,\ S_{18} =$ _____

7. $a_1 = 8,\ a_6 = 38,\ S_{40} =$ _____

8. $a_1 = 7,\ a_9 = 47,\ S_{50} =$ _____

9. $\sum_{n=1}^{60} 3 + 2(n-1) =$ _____

10. $\sum_{n=1}^{70} 4 + 3(n-1) =$ _____

11. $S_n = 2247,\ a_1 = 17,\ a_n = 197,\ n =$ _____

12. $S_n = 1102,\ a_n = 103,\ n = 19,\ a_1 =$ _____