

FMP 10  
Date \_\_\_\_\_

LG 5

Arithmetic Series  
Name \_\_\_\_\_

**WORKSHEET #2 – Arithmetic Series**

***Find the indicated  $n$ th partial sum ( $S_n$ ) of the arithmetic sequence.***

1. 8, 20, 32, 44, ...  $S_{10} = ?$

2.  $t_1 = -6$ ,  $d = 4$ ,  $S_{50} = ?$

3.  $100 + 105 + 110 + \dots + 220$

4.  $0.5 + 1.3 + 2.1 + \dots + 70.1$

5.  $t_2 = 8$ ,  $t_5 = 9.5$ ,  $S_{12} = ? =$

6.  $-3 + \left(\frac{-3}{2}\right) + 0 + \dots + 30$