

AFM

ARITHMETIC PRACTICE

Act. #87

1) Find the sum of the first 10 terms if $a_1 = 5$
AND $a_n = 25$.

2) Find S_n if $a_1 = -5$, $n = 7$, $a_n = 13$

3) Evaluate: $\sum_{x=11}^{23} 5x + 2$

4) Find the first 3 terms of the arithmetic series
of $a_1 = 4$, $a_n = 31$, AND $S_n = 175$.

5) Find S_n for the arithmetic series with $a_1 = 100$,
 $d = -7$, AND $a_n = 37$.

6) Find the Arithmetic means of $8, _, _, _, _, 4.25$.

7) Find the first 3 terms of an arithmetic series
with $d = -12$, $n = 11$, AND $a_n = -52$.

8) What is the 85^{th} term for the following Arithmetic
sequence? $-2, -8, -14, \dots$

9) Find the sum of the Arithmetic series of
 $3, 7, 11, 15, \dots, 27$

10) What is the Arithmetic means of:
 $\frac{7}{5}, _, _, \frac{23}{20}$