

Mini Math

October 3

1. Determine each of the following sums using the ‘midpoint’ technique

(a) $4 + 11 + 18 + 25 + \cdots + 74$

(b) $11 + 13 + 15 + \cdots + 51$

2. An arithmetic series has $a_{12} = \frac{55}{2}$, and $a_{33} = 38$. Determine S_{40} .

3. Write the general formula for a_n , the n^{th} term for arithmetic sequence with common difference d .

4. Write the general formula for S_n , the n^{th} partial sum for arithmetic series with common difference d .