1) 9th term is 79; 17th term is 115. Find the sum of the first 20 terms of this Arithmetic series.

Find the sum of the following series:

2) -28-36-44- … -132

3) $\frac{2}{7} + \frac{10}{49} + \frac{50}{343} + \ldots + \frac{6250}{117649}$

4) $\sum_{k=1}^{\omega} -4\left(\frac{11}{15}\right)^{k-1}$