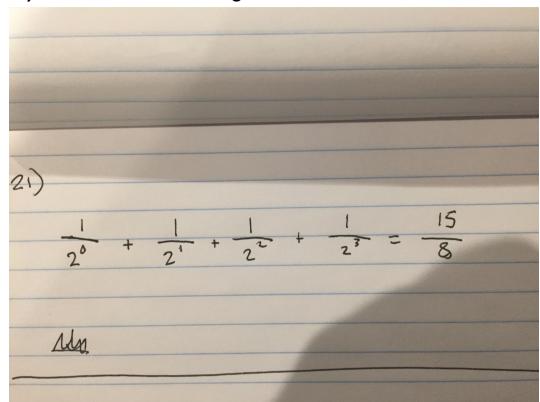
## Exercise sets 5.1

21) Refer to attached image.



## 60) Refer to attached image.

$$\begin{array}{c} (60) \\ 2 * \sum_{k=1}^{n} (3 * | z^{2} + 4) + 5 * \sum_{k=1}^{n} (2 * | z^{2} - 1) = \\ \\ \sum_{k=1}^{n} (6 * | z^{2} + 8) + \sum_{k=1}^{n} (10 * | z^{2} - 5) \\ \\ (6 * | z^{2} + 8) + \sum_{k=1}^{n} (10 * | z^{2} - 5) = \sum_{k=1}^{n} ((6 * | z^{2} + 8) + \sum_{k=1}^{n} (10 * | z^{2} - 5)) \\ \\ \sum_{k=1}^{n} (16 * | z^{2} + 3) \\ \\ \sum_{k=1}^{n} (16 * | z^{2} + 3) \\ \end{array}$$