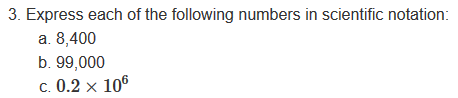
**EET/CPE 1140 - Homework # 1**

**Chapter 1**



3.a) 8.4 x 103

3.b) 9.9 x 104

3.c) 2.0 x105

Text

Description automatically generated with medium confidence

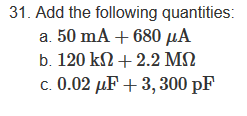
21.a)

21.b)

106 was chosen for easy word conversion to Mega

21.c)

10-3 was chosen for easy word conversion to mini.



31.a)

50\*10-3 + 680\*10-6

50000\*10-6 +680\*10-6

50680\*10-6

50.68 \*10-3 A

50.68 mA

31.b)

120\*103 + 2.2\*106

120\*103 + 2.2\*103 \*103

120\*103 + 2200\*103

2320\*103

2.32\*106 M

31.c)

0.02\*10-6 + 3300\*10-12

0.02\*10-6 + 3300\*10-6 \*10-6

0.02\*10-6 + 0.0033\*10-6

0.0233\*10-6

2.33\*103\*10-6

23.3\*10-3

23.3 mF