Problem 1

Using the distance mouulus formula, this distance is (ignoring extinction)

$$d = 10^{(m-M+5)/5} = 10^{(25+19.5+5)/5} = 7.94 \,\text{Gpc}.$$

- Problem 2
- Problem 3
- Problem 4
- Problem 5
- Problem 6
 - (i)
 - (ii)
- (iii)