| 1 | (a) | Define force. |
|---|-----|---|
| | (b) | State the SI base units of force. |
| | (c) | The force F between two point charges is given by $F = \frac{Q_1 Q_2}{4\pi r^2 \varepsilon}$ |
| | | where Q_1 and Q_2 are the charges, r is the distance between the charges, ε is a constant that depends on the medium between the charges. the above expression to determine the base units of ε . |
| | | |

base units[2]

[Total: 4]