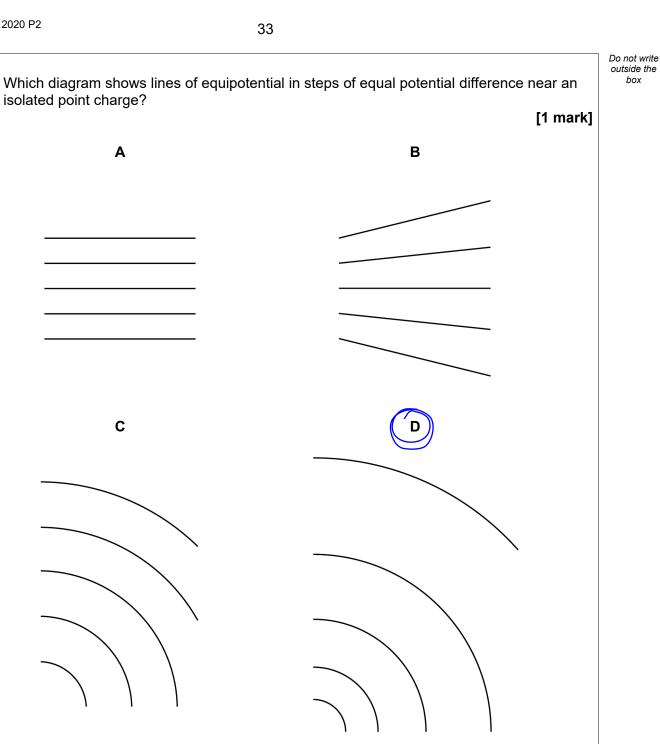
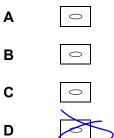
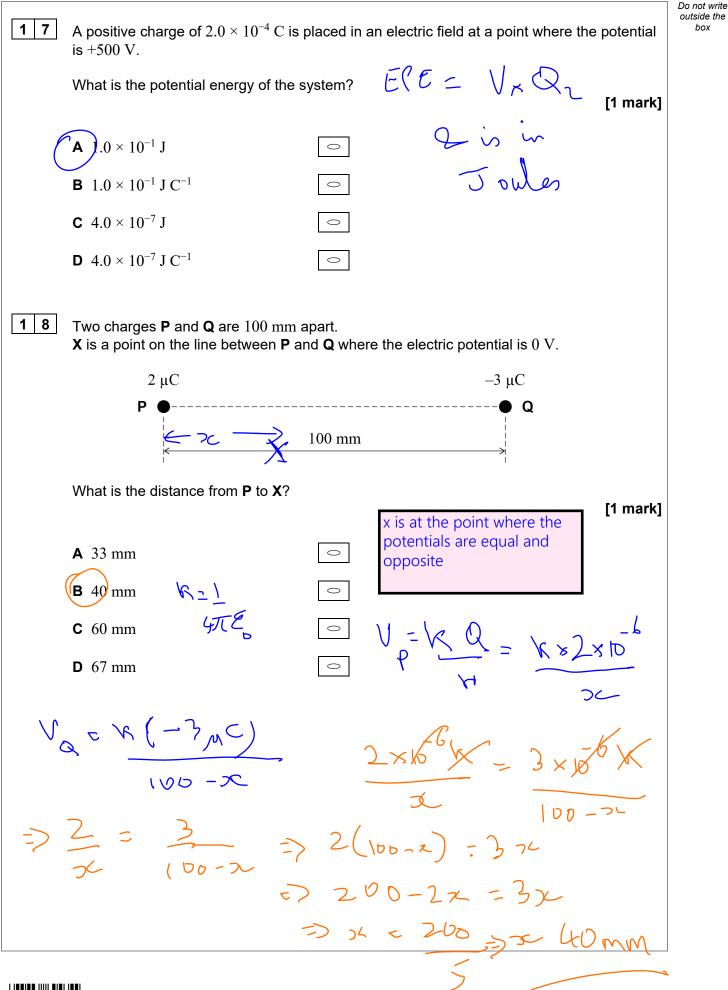
1 6



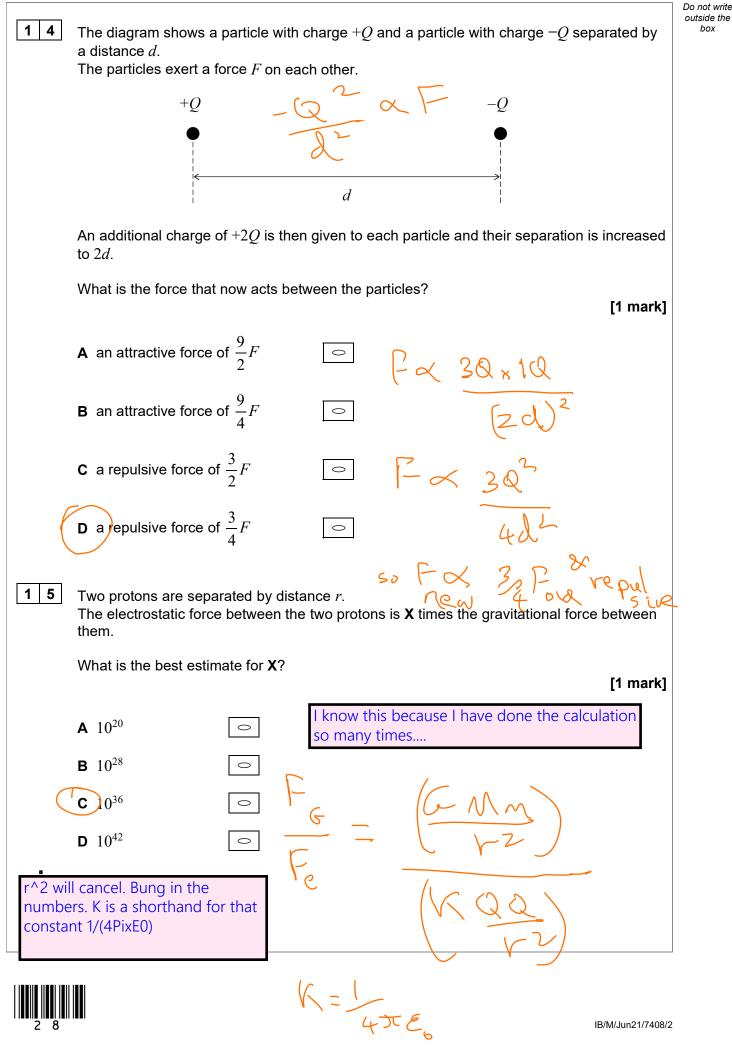


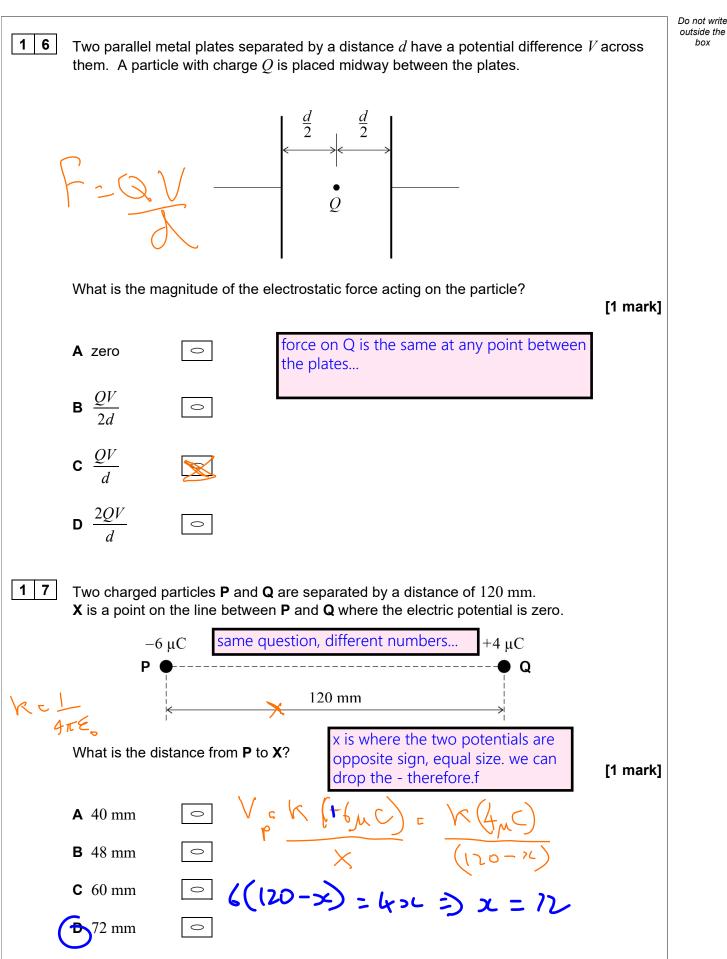


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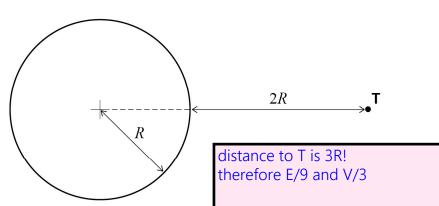








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Point **T** is a distance 2R from the surface.

What are the electric field strength and electric potential at T?

|   | Electric field strength | Electric potential |   |
|---|-------------------------|--------------------|---|
| A | $\frac{E}{2}$           | $\frac{V}{4}$      | 0 |
| в | $\frac{E}{3}$           | $\frac{V}{9}$      | 0 |
| с | $\frac{E}{4}$           | $\frac{V}{2}$      | 0 |
| D | <u>E</u><br>9           | $\frac{V}{3}$      | X |



[1 mark]

Do not write outside the

