Practice with Potential:

1. Draw the potential along a line containing two fixed equal positive charges. Make note of any points where the potential or the field is zero.

A. Draw the equipotential view (topographical view).

B. Draw the function view (the “side” view).

2. Draw the potential along a line containing two fixed equal negative charges. Make note of any points where the potential or the field is zero.

A. Draw the equipotential view (topographical view).

B. Draw the function view (the “side” view).

3. Draw the potential along a line containing two fixed charges, one positive, one negative, with equivalent “magnitudes” of charge. Make note of any points where the potential or the field is zero.

A. Draw the equipotential view (topographical view).

B. Draw the function view (the “side” view).

4. Draw the potential along a line containing two fixed charges. One positive charge, Q1 and one negative charge Q2 such that

Q1=-2Q2. Make note of any points where the potential or the field is zero.

A. Draw the equipotential view (topographical view).

B. Draw the function view (the “side” view).

5. Draw the potential along a line containing two fixed charges. One negative charge, Q1 and one positive charge Q2 such that

Q1=-2Q2. Make note of any points where the potential or the field is zero.

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