

Name _____ Date _____ Pd _____

Mapping the Electric Field

Determine the magnitude of the Coulombic force of attraction between the charge at the center ($- 2 \times 10^{-5} \text{ C}$) and the numbered charges ($+1 \times 10^{-8} \text{ C}$). Represent these as vectors whose length is proportional to the magnitude of the force. Use a scale of $1 \text{ N of electric force} = 2.5 \text{ cm}$ on the drawing.

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