

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 1N of electric force = 2.5cm on the drawing.

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