V=4V V=8V V=6V V=12V V=10V V=12

$\vec{E}$ 1cm ~1cm

$$E \approx \frac{2V}{1cm} = \frac{2V}{0.01m} = \boxed{200 \frac{N}{C}}$$

equipotential contours

1. We can find $\vec{E}$ using the contours

- $\perp$ to contours, pointing from high to low.

magnitude of electric field.

$$E \approx \frac{\Delta V}{\Delta d}$$