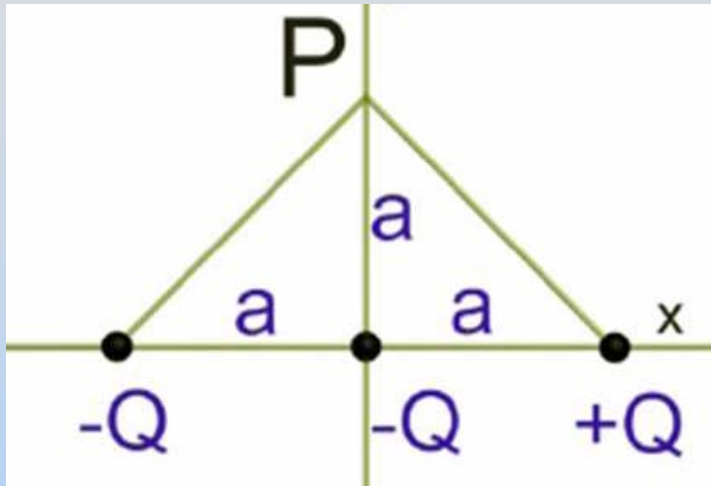


Concept Question: E from V

Consider the point charges you looked at earlier:

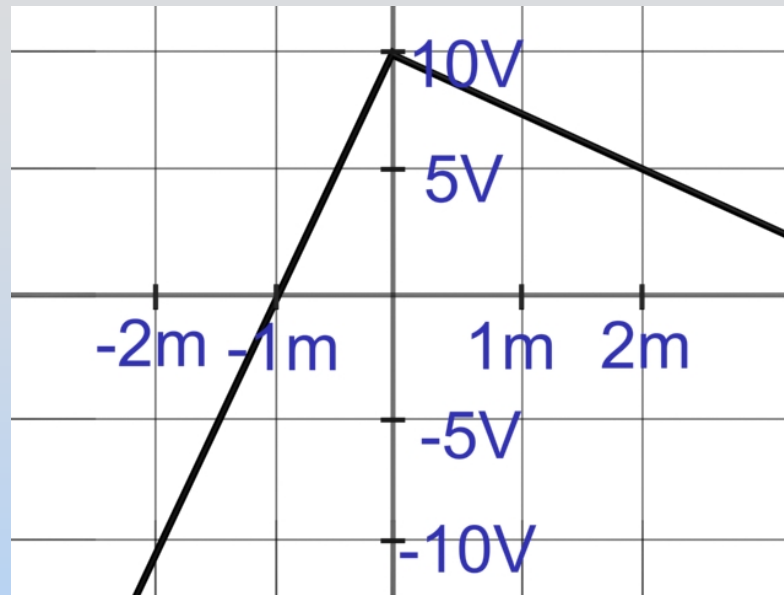


$$V(P) = -kQ/a$$

You calculated $V(P)$. From that can you derive $E(P)$?

1. Yes, its kQ/a^2 (up)
2. Yes, its kQ/a^2 (down)
3. Yes in theory, but I don't know how to take a gradient
4. No, you can't get $E(P)$ from $V(P)$
5. I don't know

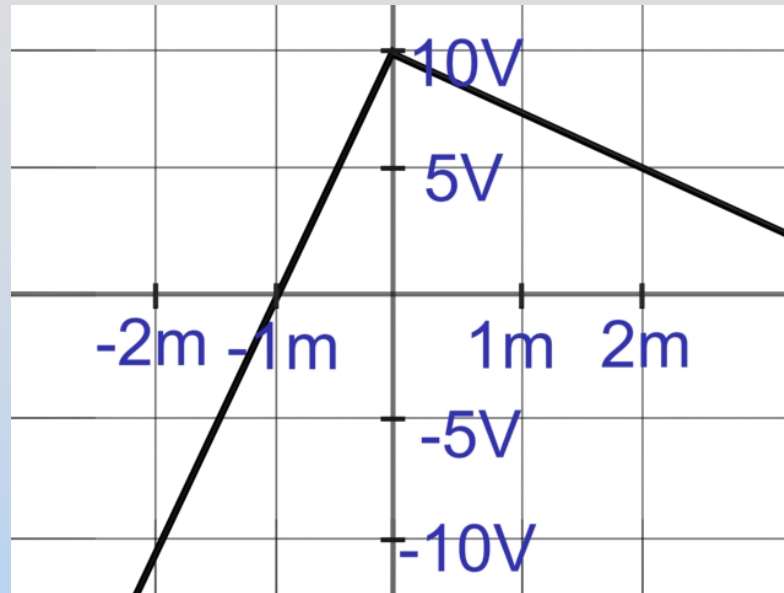
Concept Question: E from V



The graph above shows a potential V as a function of x . The *magnitude* of the electric field for $x > 0$ is

1. larger than that for $x < 0$
2. smaller than that for $x < 0$
3. equal to that for $x < 0$
4. I don't know

Concept Question: E from V



The above shows potential $V(x)$. Which is true?

1. $E_{x > 0}$ is > 0 and $E_{x < 0}$ is > 0
2. $E_{x > 0}$ is > 0 and $E_{x < 0}$ is < 0
3. $E_{x > 0}$ is < 0 and $E_{x < 0}$ is < 0
4. $E_{x > 0}$ is < 0 and $E_{x < 0}$ is > 0
5. I don't know

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