

## Answer on Question #79937, Physics / Electromagnetism

### Question:

in an electric feild the potential at a point is given by following relation:  $V=343/r$ .  
the electric feild at  $r=3i+2j+6k$  is

### Solution:

As far as  $r = |\vec{r}| = \sqrt{3^2 + 2^2 + 6^2} = \sqrt{49} = 7$ , then  $V = 343/7 = 49$ .

### The answer:

$V = 343/7 = 49$ .

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