

EE253 Quiz 2 Form 3

Name

Student No.

Seat No.

1. Given $\vec{D} = 6\epsilon_0\vec{z} + 4\epsilon_0\vec{x}$ m V/m at P(0, 1, 0). Find the force at point P on a charge of -2 C.

2. Given $\vec{E} = \frac{\vec{r}}{4\pi\epsilon r^2}$ V/m, find work done in moving 1 C charge from $r = \infty$ to 1