Calculus III
Fall 2008, Georgia Tech

## Quiz 8

Time: 10 minutes

1. An object moves along the parabola $y=x^{2}$ from $(0,0)$ to $(2,4)$. One of the forces acting on the object is $\mathbf{F}(x, y):=(x+2 y) \mathbf{i}+(2 x+y) \mathbf{j}$. Calculate the work done by $\mathbf{F}$.
