

Quiz 8A**Name:****UAlbany Email:**

Closed book/notes. No calculators allowed. Show all your work.

1. (4 Points) If $y = e^2$, then y' is equal to (Circle **one** choice below)

- (a) e^2
- (b) $2e$
- (c) 0
- (d) None of the above.

2. (6 Points) If V is the volume of a cube with edge length x and the cube expands as time passes, find $\frac{dV}{dt}$ in terms of x and $\frac{dx}{dt}$.

Grade: /10