

Math 108H (Quiz 9)

Name \_\_\_\_\_.

Show all work (no calculator)

1. (20 points) Evaluate the following integrals:

(a)  $\int x^2 e^{x^3+4} dx$

(b)  $\int x e^{4x} dx$

(c)  $\int \frac{1}{x^2-4x+29} dx$

(d)  $\int \frac{e^{2x}}{\sqrt{1-e^{4x}}} dx$