

MATH 102-15 (172)  
QUIZ # 9

NAME:

ID. #:

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Q1. Determine if the following integral converges or diverges. If the integral converges determine its value.

$$\int_0^{\infty} (1 + 2x) e^{-x} dx$$

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Q2. Find the length of the curve  $y^3 = (\frac{x}{2})^2$  from  $x = 0$  to  $x = 2$