

Full Name: \_\_\_\_\_

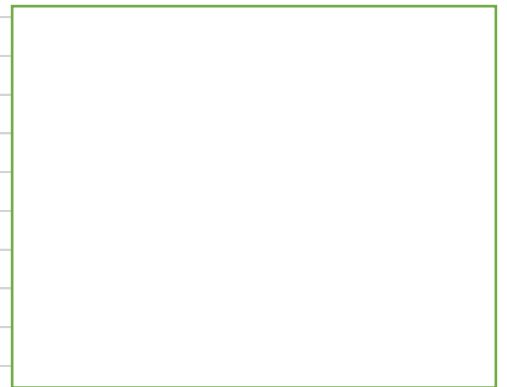
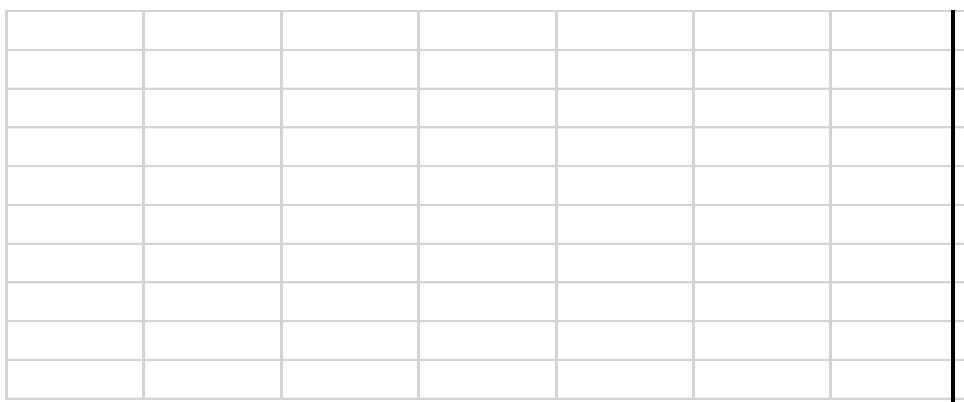
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Q1. Find  $\lim_{x \rightarrow 0} \left( \frac{e^{2x} - 2^x}{x} \right)$ .



Q2. In the grid below, sketch the curve  $y = e^{-2x}(1+x)^{1/2}$ .

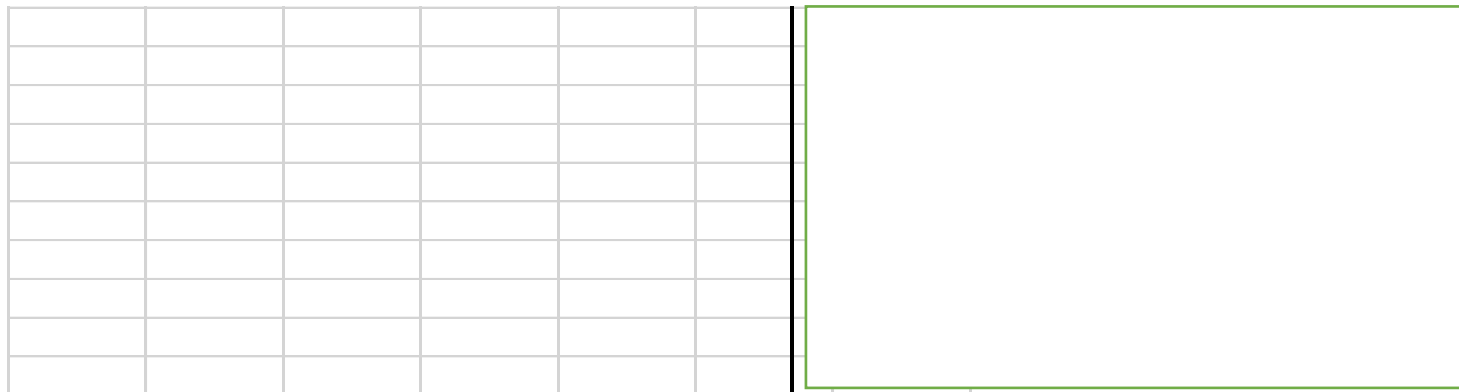


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Q1. Find  $\lim_{x \rightarrow 0} \left( \frac{4^x - 2^x}{x} \right)$ .



Q2. In the grid below, sketch the curve  $y = e^{-x}(1 + 2x)^{1/2}$ .



**King Fahd University for Petroleum and Minerals**

Department of Mathematics & Statistics

Term 162

Quiz#5 (3.4, 3.5, and 3.9)

Math 101 (11)

**Full Name:**

**ID#**

**Ser#**

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