Quiz 4 - Take Home

Directions: This quiz is Due by the start of class on Wednesday February 3rd. To receive maximal credit, show all your work.

1) Calculate
\[ \int_{-\infty}^{6} xe^{x/3} \, dx \]

2) Calculate
\[ \int_{0}^{3} \frac{1}{\sqrt{x}} \, dx \]