# MATH 3630-Actuarial Mathematics I <br> Fall 2016 - Valdez <br> Quiz No. 2 <br> Monday, 19 September 2016 

## Name:

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## Student ID:

Ostin, now age 25, has mortality that follows De Moivre's law with $\omega=100$.
For the next one year, he will travel around the world so that he will now have a constant force of mortality of 0.10 (only for the coming year).
Calculate the probability that Ostin will die between ages 30 and 40. (Note: For 1 point, you must write the actuarial symbol for this probability before doing the calculations.)

