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

Name:

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.)