MATH 3631 - Actuarial Mathematics II Spring 2020 - Valdez Quiz No. 7 Monday, 27 April 2020

Name:	Student ID:	
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You are given the following information for Bill, now age 45, who just joined a DB pension plan:

- The plan provides a retirement pension of 2.5% of final average salary for each year of service. The final average salary is defined as the average salary in the two years before retirement.
- Retirement is at exact age 65.
- Bill's projected salaries in the two years preceding retirement are:

$$S_{63} = 148,000$$
 $S_{64} = 150,250$

Calculate Bill's replacement ratio provided by his pension.

NOTE: Please submit your answers with a PDF file starting with your last name followed by an underscore and whatever else you wanna name it. For example, **Valdez_Quiz7.pdf**. Thank you and stay safe.