## MATH 3631 - Actuarial Mathematics II Spring 2018 - Valdez Quiz No. 1 Wednesday, 24 January 2018

Name:	Student ID:	
	. Starter 120	

For a special increasing whole life insurance on (x), you are given:

- Death benefit, payable at the end of the year of death, consists of
  - (i) 1 for death in the first year, 2 for death in the second year, and increasing by 1 thereafter, plus
  - (ii) the return of all premiums paid without interest.
- $\bullet$  Annual net premium of P is payable at the beginning of each year.
- $A_x = 0.23$
- $(IA)_x = 10.90$
- i = 0.03

Calculate P.