STK-MAT3700 – Introduction to Mathematical Finance and Investment Theory.

😱Quize 1

1. *The loan is in the amount of 9000 $ at a simple discount rate of 14% per annum. The borrower has received an amount of 8000 $. How long was the loan extended? Assume that there are 365 days in a year.*

A	B	C	D
320	*290*	*326*	*312*

2. *The amount to be deposited in the bank for 2 years at a simple 10% per annum in order to receive $ 8,400 at the end of the 2nd year is*

A	B	C	D
7 000	*6 720*	*6 942*	*7 115*

3. *After how many years a deposit at a compound interest rate of 8% per annum will increase from $10,000 to $20,000.*

A	B	C	D
7	*9*	*10*	*11*

4. *What is the interest rate for depositing money in a bank if the depositor wants to withdraw 120,000 NOK with a starting capital of 100,000 NOK in 2 years?*

A	B	C	D
10%	*7%*	*9%*	*11%*

5. *The accumulated value of the investment at a continuous rate of 16% over 6 years is 100 000 $. Calculate its present value.*

A	B	C	D
38 291	*41 044*	*38 289*	*51 020*