

## Mathematical Foundations of Risk Measurement - 2015 Edition

Questions & Answers Demo

## Version: 4.0

Question: 1		
For a quadratic equation, which	th of the following is FALSE?	
		Answer: C
Question: 2		
The natural logarithm of x is:		
A. the inverse function of exp(B. log(e) C. always greater than x, for x: D. 46		
		Answer: A
Question: 3		
When a number is written wir computation?	ch a fraction as an exponent, such as , which	of the following is the correct
A. Take the square-root of 75 a B. Divide 75 by 2, then raise it C. Multiply 75 by 2.5	to the 5th power	
D. Square 75, then take the fif	n root of it	
		Answer: A
Question: 4		

You invest \$2m in a bank savings account with a constant interest rate of 5% p.

a. What is the value of the investment in 2 years time if interest is compounded quarterly?

- A. \$2,208,972
- B. \$2,210,342
- C. \$2.205,000
- D. None of them

**Answer: A** 

## Question: 5

Solve the simultaneous linear equations: x + 2y - 2 = 0 and y - 3x = 8

A. 
$$x = 1$$
,  $y = 0.5$ 

B. 
$$x = -2$$
,  $y = 2$ 

C. 
$$x = 2$$
,  $y = 0$ 

D. None of the above

**Answer: B**