Quiz3: review-math

Due Aug 29 at 11:58pm **Points** 9 **Questions** 9 **Time Limit** 15 Minutes **Allowed Attempts** 2

Instructions

This quiz is based on all the content of reviewing math knowledge.

Please review **ALL** the content before taking the exam.

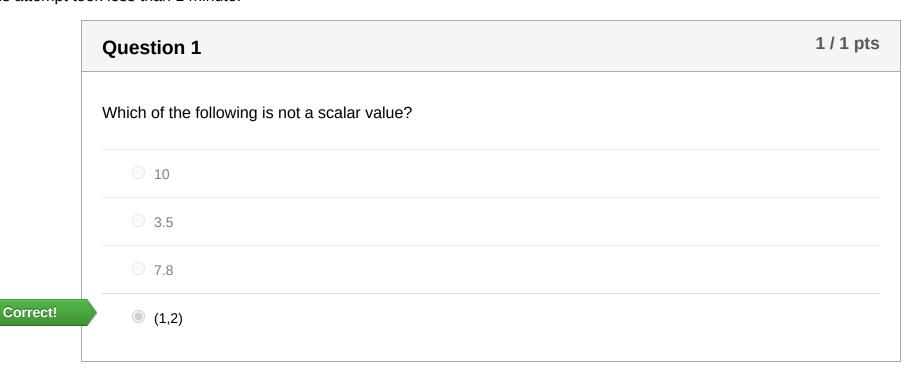
You will be given **two** attempts and the **highest** score will be recorded.

Attempt History

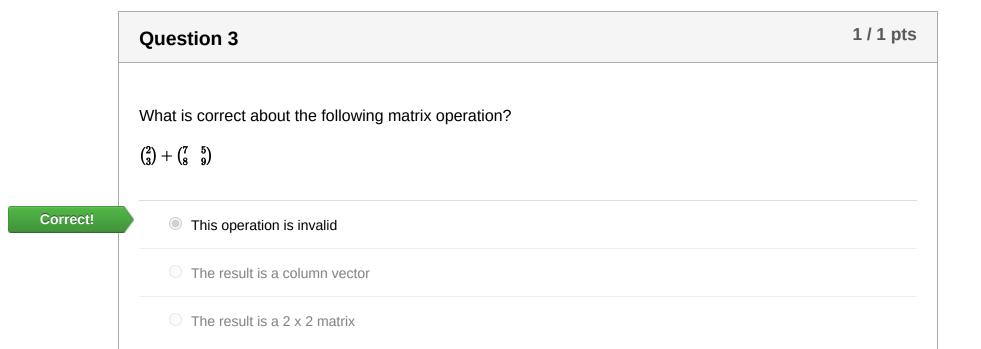
	Attempt	Time	Score
KEPT	Attempt 2	less than 1 minute	9 out of 9
LATEST	Attempt 2	less than 1 minute	9 out of 9
	Attempt 1	6 minutes	8 out of 9

Score for this attempt: **9** out of 9 Submitted Aug 29 at 11:32pm

This attempt took less than 1 minute.







	Question 4	1 / 1 pts
	What is correct about the result of the following matrix operation? $\binom{2}{2}\cdot \begin{pmatrix} 3 & 4 \end{pmatrix}$	
	The operation is invalid.	
	The result is a number 14	
rrect!	The result is a 2 x 2 matrix.	
	Question 5	1 / 1 pts
	For the function $y+x^2+z^3+10$, which of the following is incorrect?	
	We can calculate its partial directive with respect to x	
	We can calculate its gradient	
ect!	We can calculate its direvative	
	Its gradient is a vector with three elements	
	Question 6	1 / 1 pts
	The expected value (or mean) of a discrete random variable is the probability-weighted average of possible values	of all its
ect!	True	
	○ False	
	Question 7	1 / 1 pts
	About standard deviation (SD), which of the following statement is wrong?	
	The standard deviation (SD) is a measure of the amount of variation or dispersion of a set of values.	

Question 8 1/1 pts

A low standard deviation indicates that the values tend to be close to the mean of the set.

A high standard deviation indicates that the values are spread out over a narrower range.

Correct!

	A random variable following a normal distribution is a continuous variable.	
Correct!	True	
	○ False	
	Question 9	1 / 1 pts
	The probability density of the standard Gaussian distribution has zero mean and unit variance.	
Correct!	True	

False

Quiz Score: 9 out of 9