Grade received 100% To pass 80% or higher

1.	Assume that your objective is to minimize the transformation of X as similar to Y as possible, what would you optimize to get R? $(XR \approx Y)$	1/1 point
	Minimize the distance between XR and Y	
	Maximize the distance between XR and Y	
	Minimize the dot product between XR and Y	
	Maximize the dot product between XR and Y	
	○ Correct This is correct.	
2.	When solving for R , which of the following is true?	1/1 point
	O Create a forloop, inside the forloop: (initialize R, compute the gradient, update the loss	
	O Create a forloop, inside the forloop: (initialize R, update the loss, compute the gradient.	
	Initialize R, create a forloop, inside the forloop: (compute the gradient, update the loss)	
	O Initialize R, compute the gradient, create a forloop, inside the forloop: (update the loss)	
3.	The Frobenius norm of A = $\begin{pmatrix} 1 & 3 \\ 4 & 5 \end{pmatrix}$ is	1/1 point
	(Answer should be in 2 decimal places)	
	7.14	
	7.14 ② Correct 7.14	
4.		1/1 point
4.	⊙ Correct 7.14	1/1 point
4.	\bigodot Correct 7.14 Assume $X\in R^{m\times n}, R\in R^{n\times n}, Y\in R^{m\times n}$ which of the following is the gradient of $\ XR-Y\ _F^2$?	1/1 point
4.	$\odot \text{ correct} \\ 7.14$ Assume $X \in R^{m \times n}, R \in R^{n \times n}, Y \in R^{m \times n}$ which of the following is the gradient of $\ XR - Y\ _F^2$? $\bullet \ \ \tfrac{2}{m} X^T (XR - Y)$	1/1 point
4.		1/1 point
4.	$ \odot \text{ correct} \\ 7.14 $ Assume $X \in R^{m \times n}, R \in R^{n \times n}, Y \in R^{m \times n}$ which of the following is the gradient of $\ XR - Y\ _F^2$? $ \odot \frac{2}{m} X^T (XR - Y) $ $ \odot \frac{2}{m} (XR - Y) X $	1/1 point
4.		1/1 point
		1/1 point
	Solution Series Serie	

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Orrect
This is correct.

 $\hfill \hfill \hfill$

This is correct.	
☐ To make the search for other similar vectors more accurate. ☐ It helps us create vectors.	
Given the following vectors, determine the true statements.	1/1po
$P:\begin{bmatrix}1\\1\end{bmatrix}$	
$V_1 \colon \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	
V_{2} : $\begin{bmatrix} 2 \\ 2 \end{bmatrix}$	
$V_3: egin{bmatrix} -1 \ -1 \end{bmatrix}$	
[-1]	
$lackbox{0} PV_1^T$ and PV_2^T have the same sign.	
$\bigcirc~PV_1^T$ and PV_2^T are equal in magnitude. $\bigcirc~PV_1^T \text{ and } PV_3^T \text{ have the same sign.}$	
⊘ Correct	
Correct	
We define H to be the number of planes and h_i to be 1 or 0 depending on the sign of the dot product with plane i. Which of the following is the equation used to calculate the hash for several planes.	1/1 po
$leftsign \sum_i^H 2^i h_i$	
$\bigcirc \sum_i^H 2^i h_i^i$	
$igcirc$ $\sum_i^H 2ih_i$	
$igcirc \sum_i^H 2^{h_i} i$	
○ Correct Correct.	
How can you speed up the look up for similar documents.	1/1po
□ PCA	1/100
✓ Approximate Nearest Neighbors	
○ Correct This is correct.	
™ K-Means	
✓ Locality sensitive hashing	
○ Correct This is correct.	
Histocoreca	
Hash tables are useful because	
allow us to divide vector space to regions.	1 / 1 po
Correct	
This is correct.	
speed up look up	

TOU WILL ALWAYS HASH THE SAME VECTOR TO THE SAME DUCKET WITH THE SAME HASH TURETUM.