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MapReduce for k-means

5 questions

1 poin	
	se we are operating on a 1D vector. Which of the following operation is ta parallel over the vector elements?
0	Add a constant to every element.
0	Multiply the vector by a constant.
0	Increment the vector by another vector of the same dimension.
0	Compute the average of the elements.
0	Compute the sign of each element.
1 poin 2. True/F	False) A single mapper call can emit multiple (key,value) pairs. True
0	False

1 point

(True/False) A single reducer call emits only one (key,value) pair.

O True

Palse

1
point

4.
(True/False) Supmappers may b
from the previo

(True/False) Suppose we are running k-means using MapReduce. Some mappers may be launched for a new k-means iteration even if some reducers from the previous iteration are still running.

O True

O False

1 point

5.

Consider the following list of binary operations. Which can be used for the reduce step of MapReduce? Choose all that apply.

OP1(x1,x2) = MAX(x1, x2)



OP2(x1,x2) = x1 + x2 - 2

OP3(x1,x2) = 3*x1 + 2*x2

OP4(x1,x2) = $x1^2 + x2$

OP5(x1,x2) = (x1 + x2) / 2

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