point		parallel over the vector elements?
		Add a constant to every element.
		Multiply the vector by a constant.
		Increment the vector by another vector of the same dimension.
		Compute the average of the elements.
		Compute the sign of each element.
1	2.	(True/False) A single mapper call can emit multiple (key,value) pairs.
point		True
		False
1 point	3.	(True/False) More than one reducer can emit (key,value) pairs with the same key simultaneously.
		O True
		False
1 point	4.	(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.
		True
		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.
		Hints: The reduce step requires a binary operator that satisfied <b>both</b> of the following conditions.
		• Commutative: $OP(x_1,x_2)=OP(x_2,x_1)$
		- Associative: $OP(OP(x_1,x_2),x_3) = OP(x_1,OP(x_2,x_3))$
		OP1 $(x_1, x_2) = \max(x_1, x_2)$
		OP2 $(x_1, x_2) = x_1 + x_2 - 2$
		OP3 $(x_1, x_2) = 3x_1 + 2x_2$
		OP4 $(x_1, x_2) = x_1^2 + x_2$

 $OP5(x_1, x_2) = (x_1 + x_2)/2$ 

Suppose we are operating on a 1D vector. Which of the following operation is **not** data