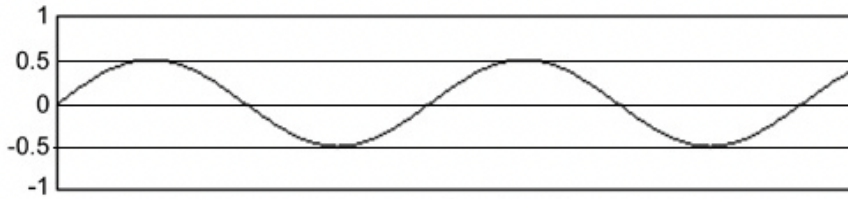


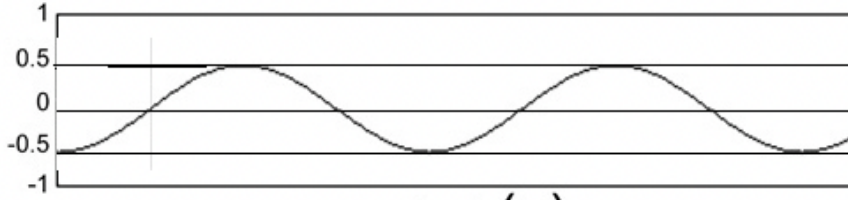
Name: _____

For each example, fill in the bottom third, showing the sum of the two sine waves above.

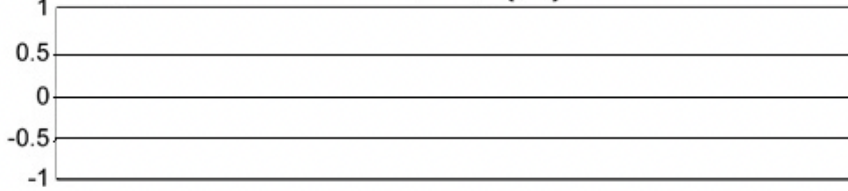
1.



+ (=)

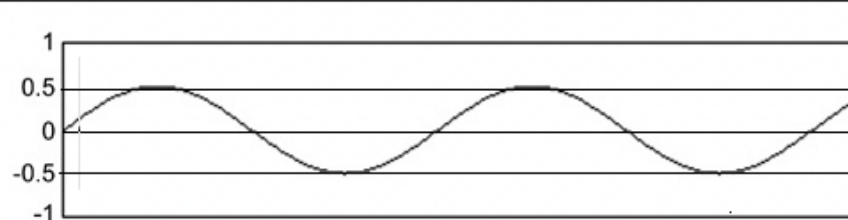


= (-)

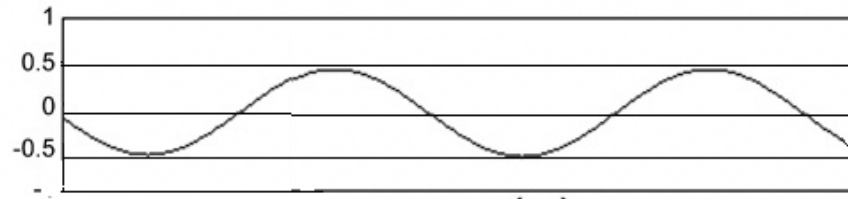


What is the difference between the top and middle sine waves? _____

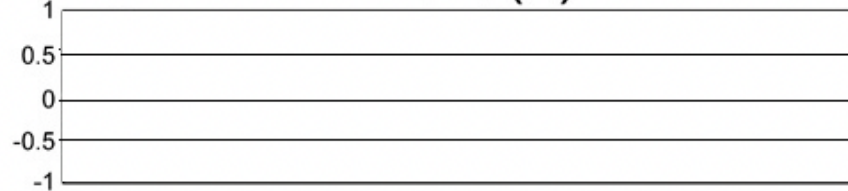
2.



+ (=)

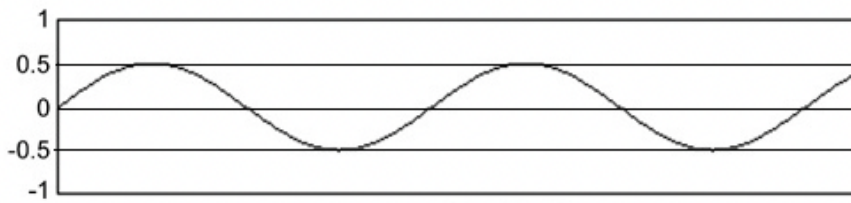


= (-)

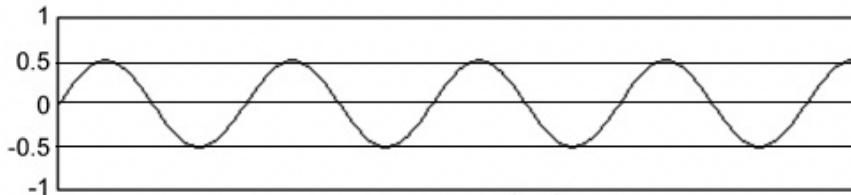


Is this constructive or destructive interference? _____

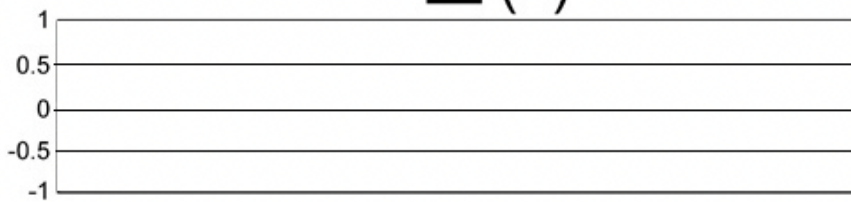
3.



+ (=)

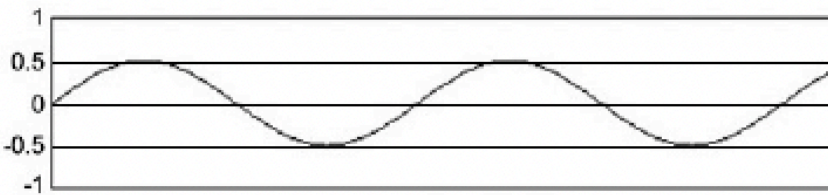


= (-)

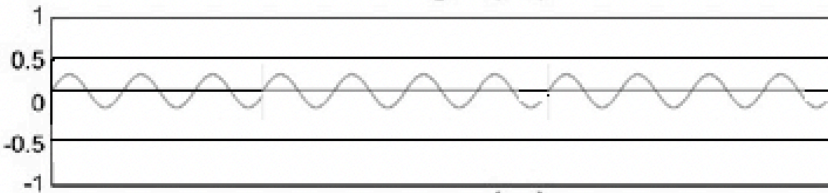


What is the difference between the top and middle sine waves? _____

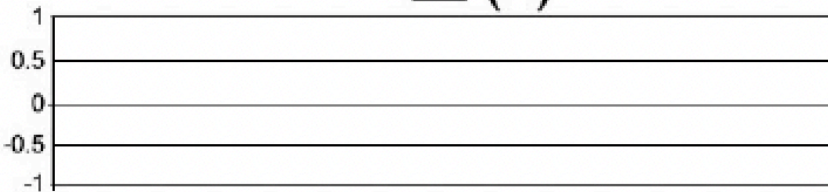
4.



+ (=)



= (-)



What are the differences between the middle sine waves in #3 and #4? _____
