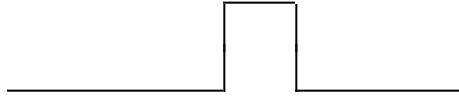


# Physics 20 - Superposition Answer Key

Using the Principle of Superposition, draw the resulting wave displacements for each diagram on a separate sheet of paper. Draw the resulting wave produced when the waves are directly on top of one another.

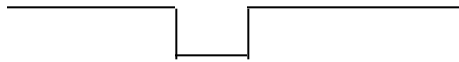
1.



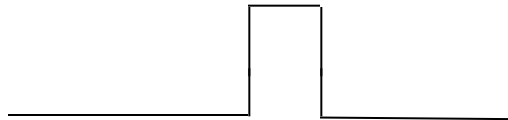
2.



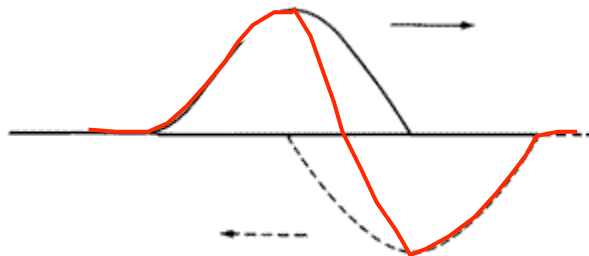
3.



4.

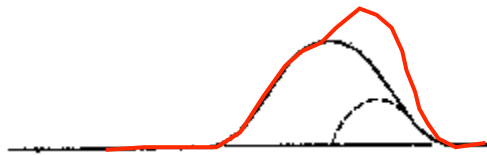


5. The following two waves are superimposed. Draw the resulting wave directly on the wave diagram.

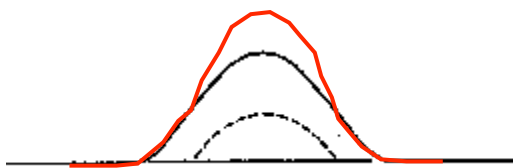


For the following, draw the wave that would result from the waves being in their **current** positions....

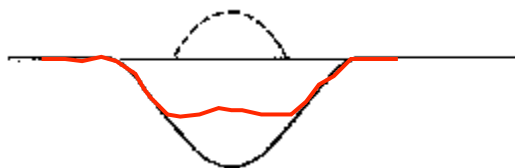
6.



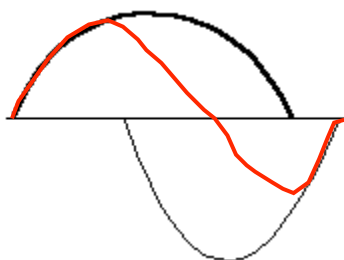
7.



8.



9.



10.

