Interference

1. The two wave pulses below are approaching each other from opposite directions.
   a. What will be the amplitude of the pulse created when the two waves superimpose?
   
   b. What type of interference is produced when these two waves superimpose?

2. The two wave pulses below are approaching each other from opposite directions.
   a. What will be the amplitude of the pulse created when the two waves superimpose?
   
   b. What type of interference is produced when these two waves superimpose?