



PHYSLETS ANSWER SHEET

WS1A4

Waves / Set 1 / Animation 4

Name _____ Class _____

<Show all work on calculations. Include proper units. Explanations require complete sentences.>

1) Measure the amplitude of the first pulse

_____ m

2) Measure the amplitude of the second pulse

_____ m

3) At what time does maximum interference occur?

_____ s

4) What is the amplitude of the combined waves at maximum interference?

_____ m

5) What *special* type of interference occurs in this animation?

6) Watch WS1A5 & WS1A6. Below, label and sketch the superposition of each scenario as it appears at maximum interference