Wave Type Key

Do the following problems, sketching and writing your answers.

a. The crest of an ocean wave that has an amplitude of 1 meter intersects another wave crest with an amplitude of .75 meter. What is the resulting amplitude? Sketch this and show your calculations.

1 m crest + .75 m crest = 1.75 m crest

b. The crest of a wave with an amplitude of 2 meters intersects the trough of a wave with an amplitude of 1.3 meters. What is the resulting amplitude?

2 m crest - 1.3 m trough = .7 m crest

ACCELERATE
EDUCATION