Question 9

What We know:

AX = 1.93 m spring was compressed: 0.011 m, traveled

Target box distance: $\Delta x = 2.200 \text{ m}$

How for should the spring be compressed to travel 2.200 nectors?

No friction, 9=10 M/52

Spring KE = 1 K x 2

mgh = mg

driginal compression

0.011 / 1= 1.93

K = 175.45 constant 175.45 × = 2.2

X = 0.013

Rhoda Should compress the spring by 0.0125 m. (1.25 cm) to reach the target

Student Life Disability Services 098 Baker Hall

113 West 12th Ave.

Columbus, OH 43210