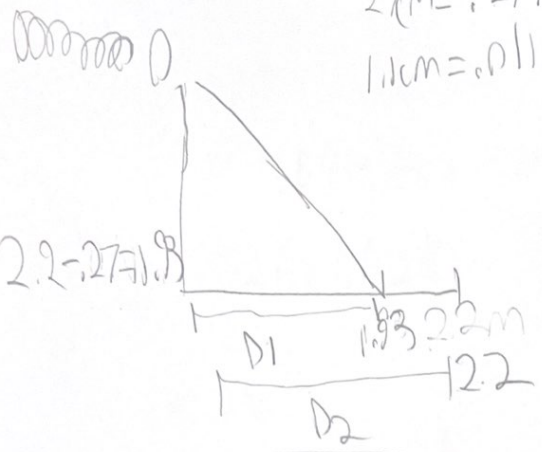
Question 9

27cm = .27m

1.1cm = .011m



$\frac{D_1}{X_1} = \frac{D_2}{X_2}$

$\frac{D_2 X_1}{X} = D_1$

$X_1 = \frac{D_2(X_2)}{D_1}$

$X_1 = \frac{(2.2)(.011)}{1.93}$

$X_1 = \frac{(2.2)(.011)}{1.93}$

$X_1 = .0125\,m$

Should compress .0125m