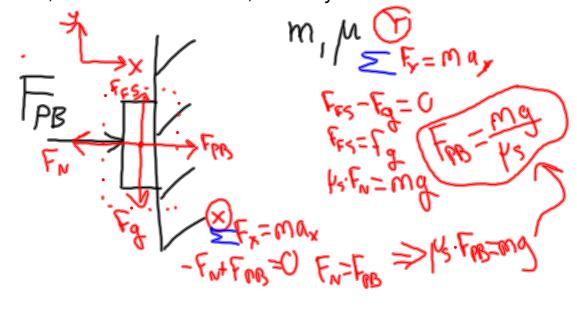
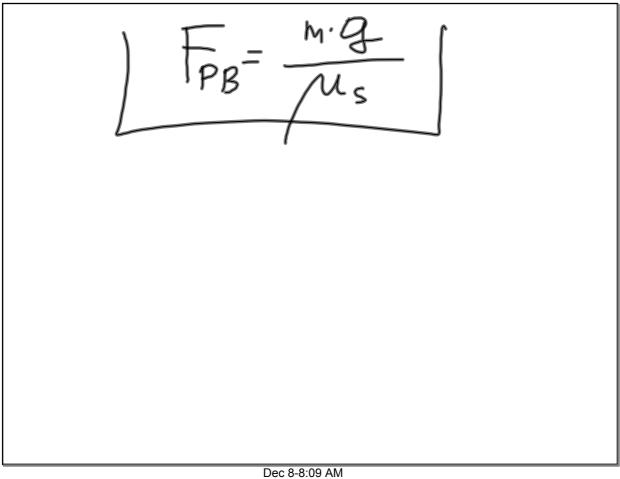
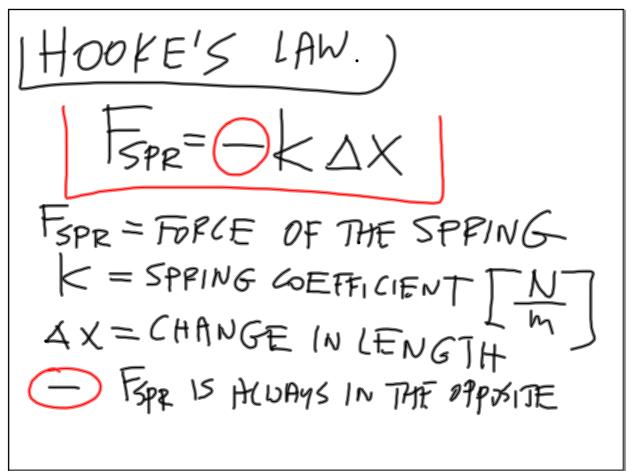
1. What is the minimum force on a person on book F_{PB}, which has to be applied horizontally so the book does not slip down along a vertical wall? Derive the FPB in terms of the mass of the book, coefficient of friction, and any universal constants.

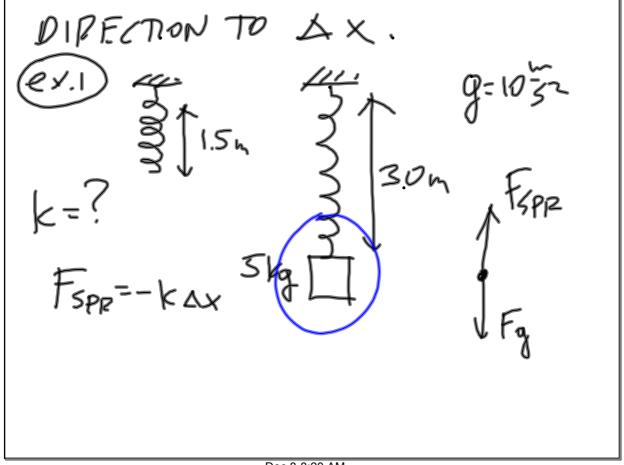


Dec 8-7:42 AM



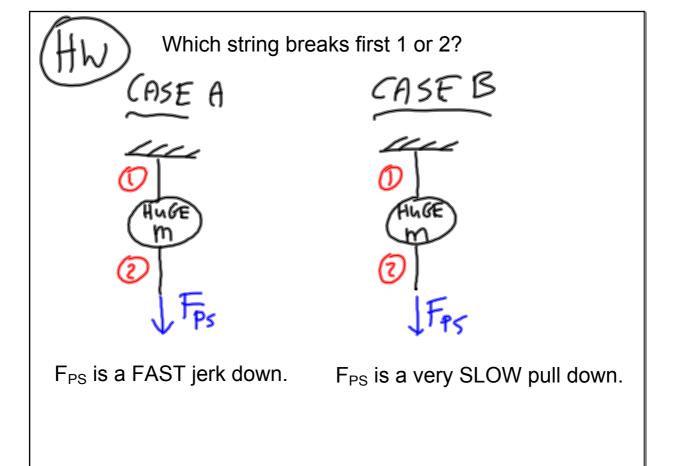


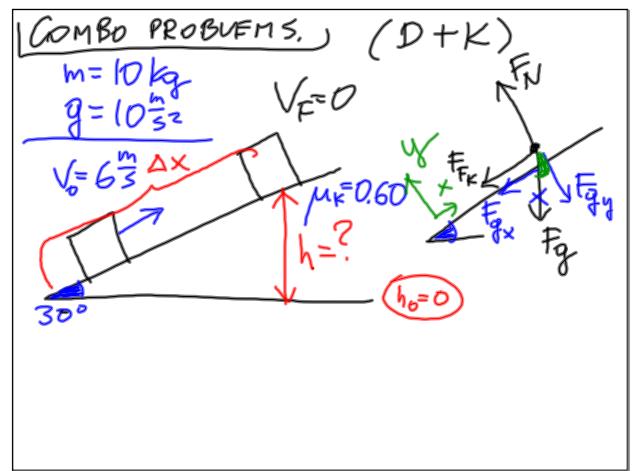
Dec 8-8:17 AM



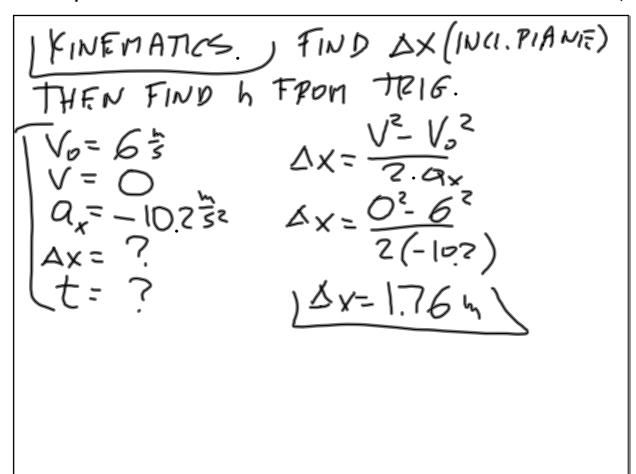
$$50 = -k(1.5)$$
 $k = -33.3 \frac{k}{h}$

Dec 8-8:27 AM





Dec 8-8:39 AM



Dec 8-8:57 AM

tron TPIG.
$$\sin 30^\circ = \frac{h}{\Delta x}$$

$$h = \Delta x \sin 30^\circ$$

$$h = 0.88 \text{ m}$$