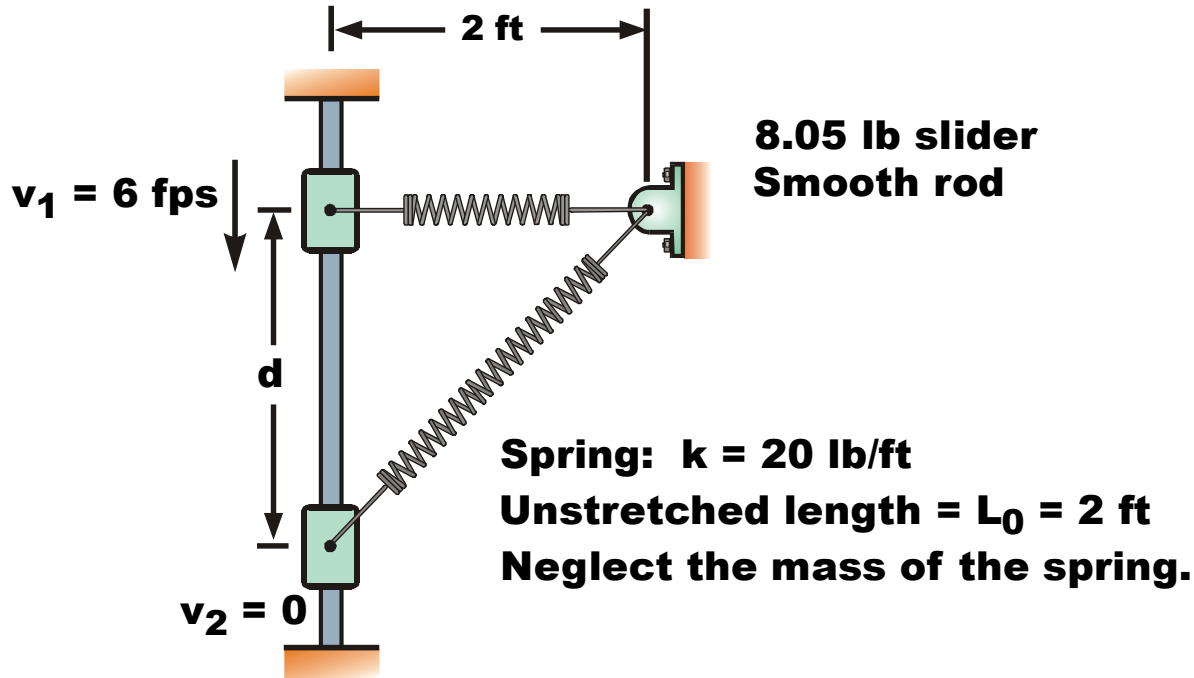
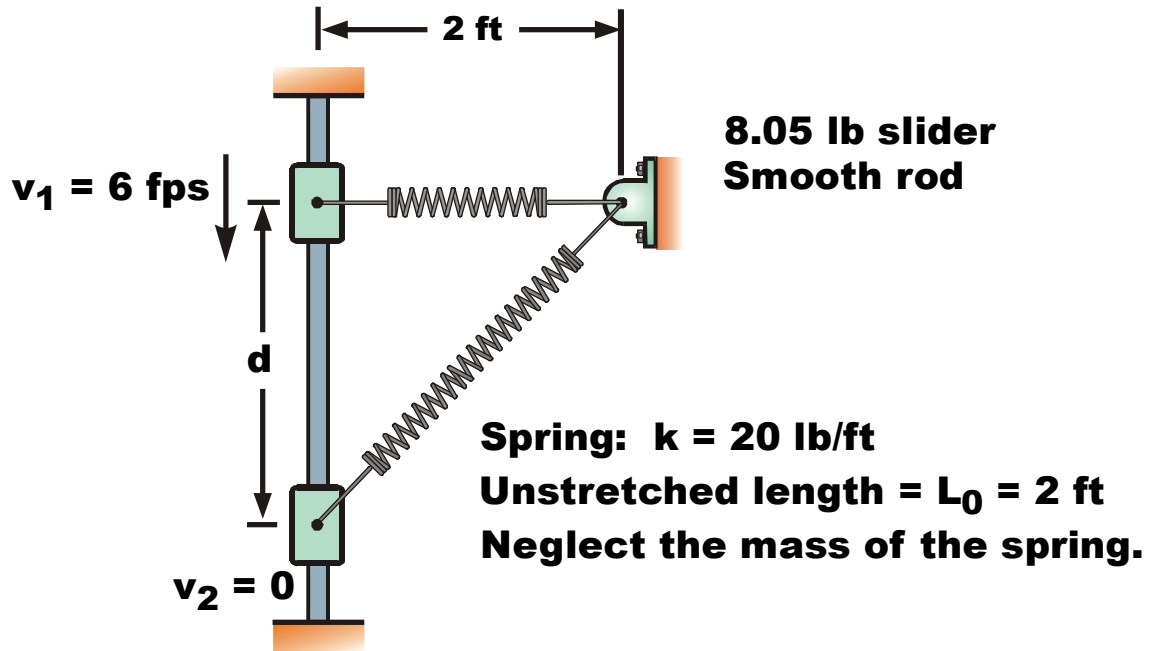
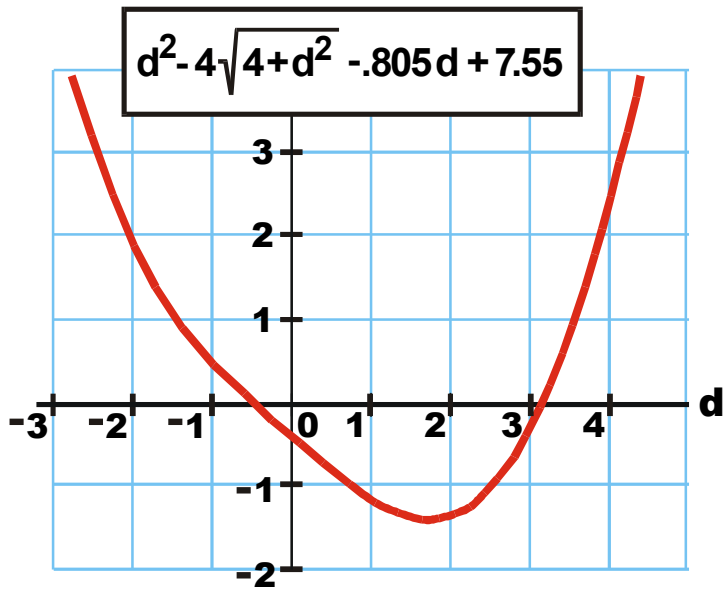


## Particle Work Energy: Example Problem 7

An 8.05 lb slider moves at 6 fps downward on the smooth rod shown below. The spring is originally unstretched. Determine the distance  $d$  the slider will move before it comes to a stop.







**$f(d) = 0$  at  $d = 3.145$  ft**