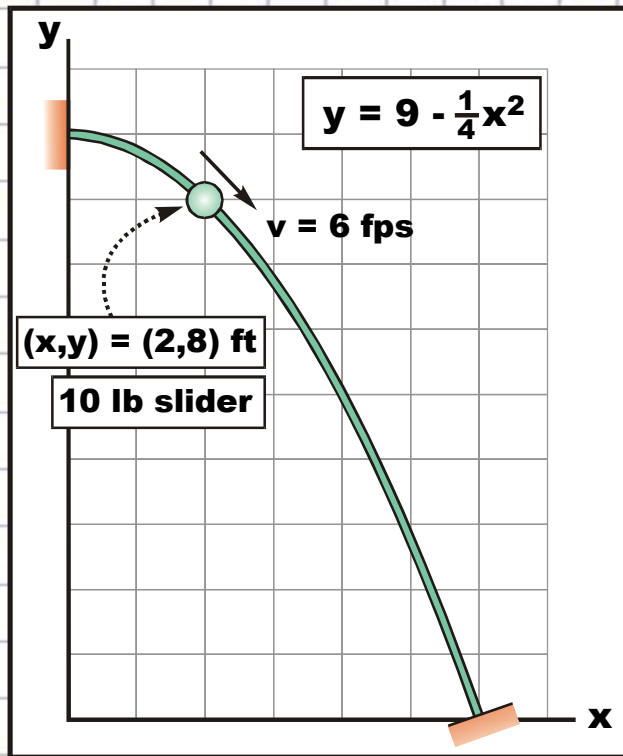


Particle $F=ma$ (n-t): Example Problem 6

- A 10 lb slider moves along a smooth rod in a vertical plane. The rod has been bent into a non-circular path defined by the given function. At the location shown, its speed is 6 fps. Please determine:
- The magnitude of the slider's acceleration.
 - The magnitude of the force between the rod and the slider.



$$\rho = \left| \frac{[1 + (y')^2]^{3/2}}{y''} \right|$$

