Particle Impulse-Momentum: Example Problem 2

A 130 lb block rests on the slope shown below. A force P which increases with time (P = 10t lb) is applied to the block. Please determine the speed of the block up the slope at t = 20 seconds.



You must draw a FBD to view all forces, and find t<sub>start</sub>.

## Draw a FBD. YOU MUST FIND t<sub>start</sub> on this kind of problem.



