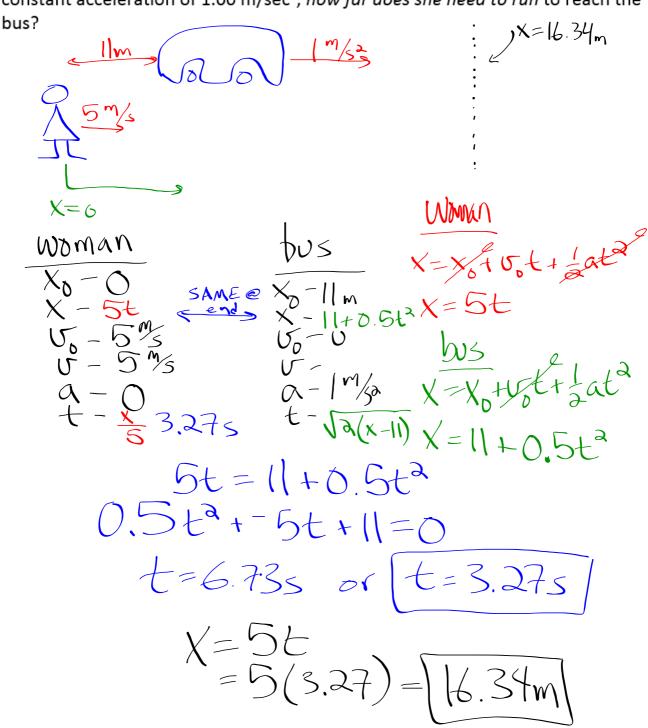
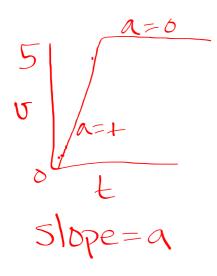
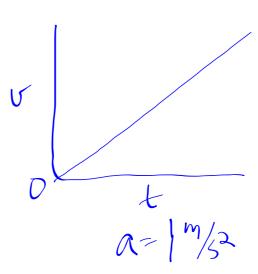
A truck traveling at a constant speed of 30 m/s passes a highway patrol police car which is at rest. As soon as the truck is even with the police car, the police officer accelerates at a constant rate of 3.0 m/s². How long does it take for the police car to catch up to the truck?

A bus is stopped picking up passengers. When everyone is on board, the bus starts to leave. A woman who is 11.0 meters behinds the bus realizes she is going to miss the bus if she doesn't start running. If she starts running and is moving at a constant 5.00 m/sec as the bus starts to leave, and if the bus leaves with a constant acceleration of 1.00 m/sec², how far does she need to run to reach the







Before you leave class,

Know how to find the maximum height.

1. Figure it out with a few small hints pushes

3. Follow along with someone else

4. Ask someone of with it down