

For previous users of version 3 of MOP: if you view a "Module Title Goes Here" message and an apparent freezing of the program, then your browser is loading a version 3 file into this page from your computer's cache. The new version is not being drawn in from our server. The fix involves "emptying the cache" and re-loading the page.

A Internet | Protected Mode: Off

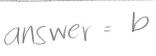








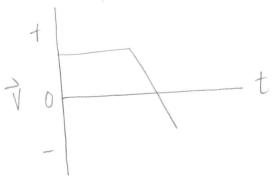




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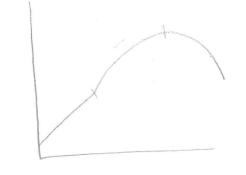
## Draw a v-t graph for this situation:

A marble is rolling to the right on a flat surface, then rolls up a ramp, stops for an instant at the top of the ramp, and then rolls back down the ramp.



0m

Also draw the d-t graph:



1

Mechanics Unit

v-t graphs

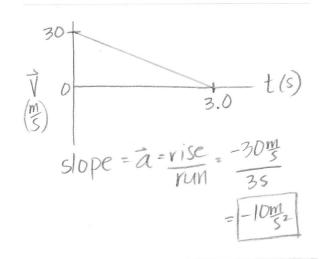
gpb video:

Phys Std:

## Practice:

1. Grace is driving her sports care at +30.0 m/s when a ball rolls out into the street in front of her. Grace slams on the brakes and comes to a stop in 3.0 s. What was the acceleration of Grace's car? (Use a v-t graph to solve this problem) HOW ONG WEVE THE SKID MAYKS

she left on the street?



"How long were the marks"

must calculate  $\Delta \vec{x}$ avea under curve  $(\pm - b \cdot h)$