

Tuesday

brought to you by the letters M O T I O N

housekeeping

You should be into MasteringPhysics

any issues?

You should be on Facebook

ISP220 Journalists: can we talk after class?

You should watch the course home page which is a Wordpress blog

I might say something important. Sign up for Feedburner

Dan is working on office hours.

Let's review where you should be...

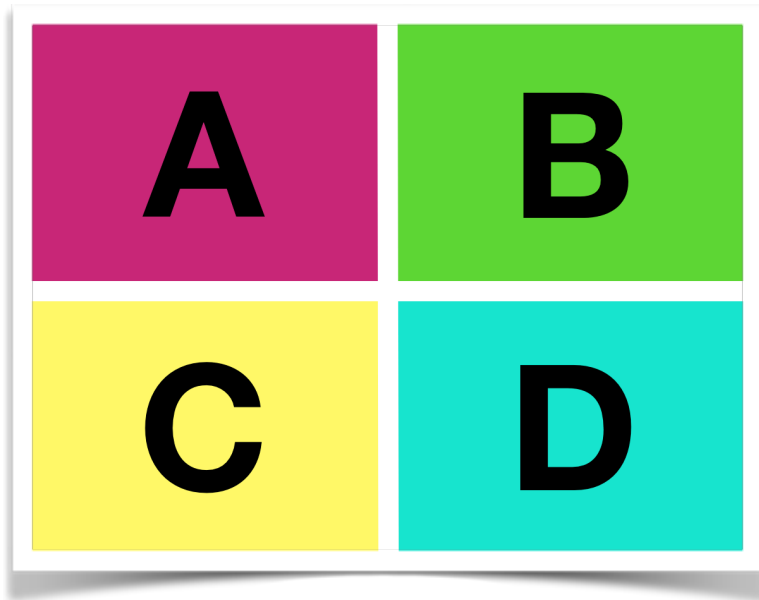
chipbrock.org

Remember, notebooks out...please, no computers or phones

except (see next)



"CAPER"* cards



A

B

C

D

The routine:

1. I ask a question with **D** responses
2. You fold your card and put it on your forehead
3. Then you defend your answer to the person next to you
4. I might then ask a second time
5. "I don't know?" ...show a blank square

Bring it to class or:

There's an app for that:

<https://itunes.apple.com/us/app/capercard/id843445157?mt=8>

<https://play.google.com/store/apps/details?id=com.hexational.capercard&hl=en>

* "Center for Astronomy & Physics Education Research"

reading quiz

demonstrations

some questions for all of us

answer, defend



Clem skis off a cliff and knocks his cell phone off the edge, which was just sitting there. Somehow all of the air has disappeared at Jackson Hole.

A

Clem gets to the ground before his phone

B

Clem & phone get to the ground at the same time

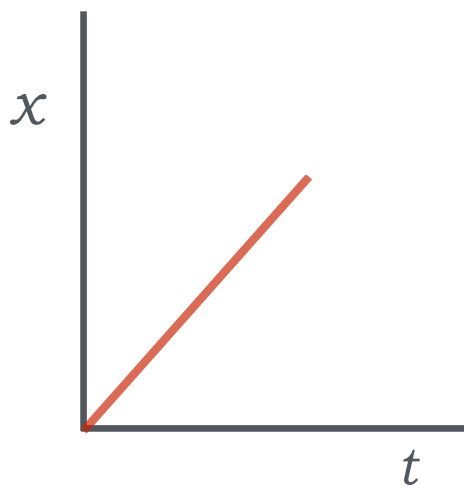
C

Clem gets to the ground after his phone

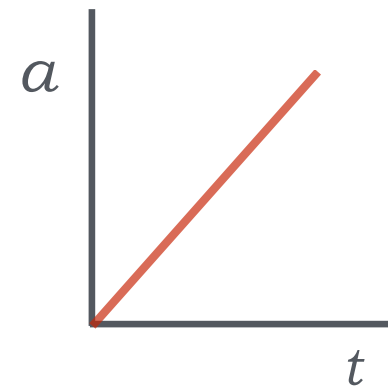
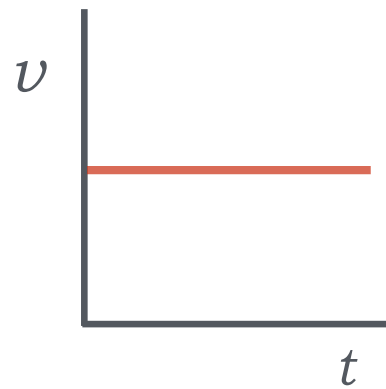
D

The phone doesn't fall since there are no bars

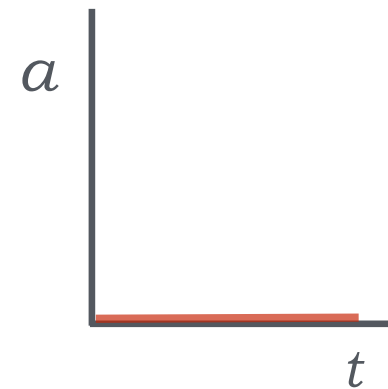
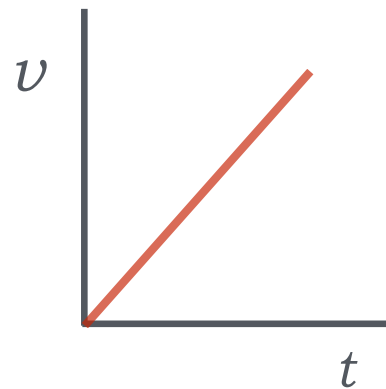
answer, defend



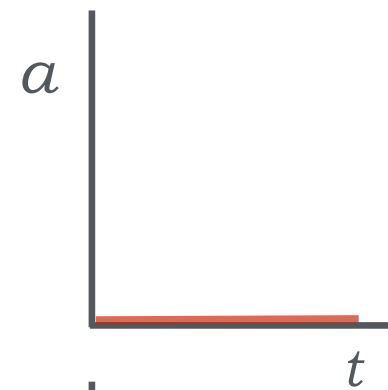
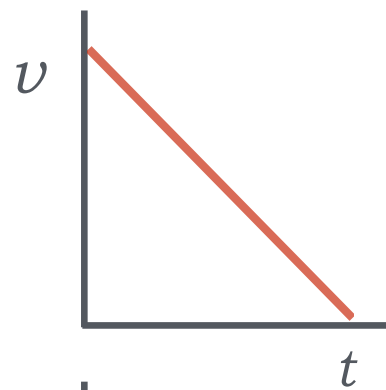
A



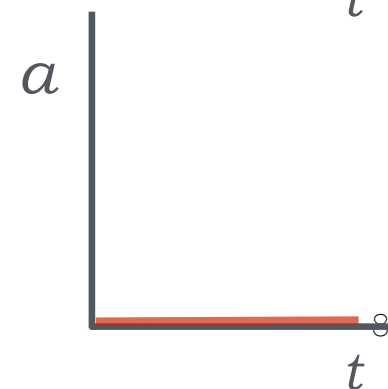
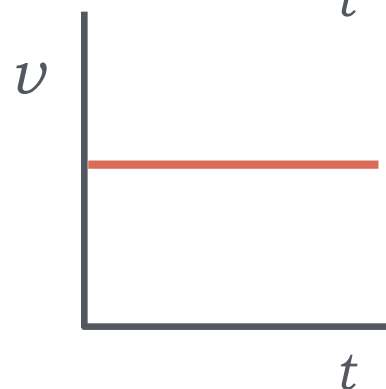
B



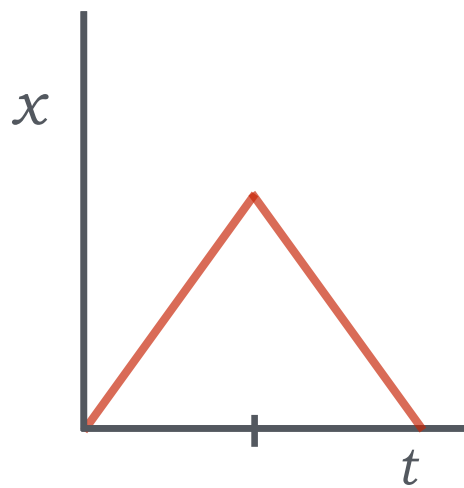
C



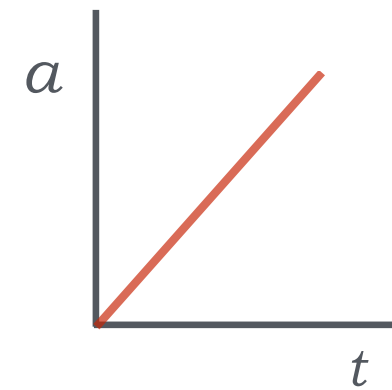
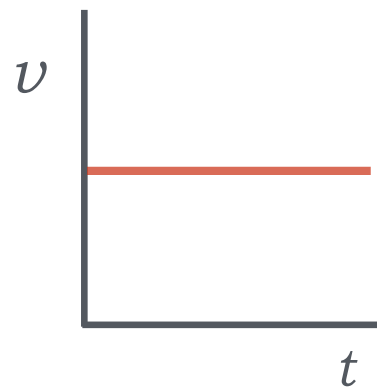
D



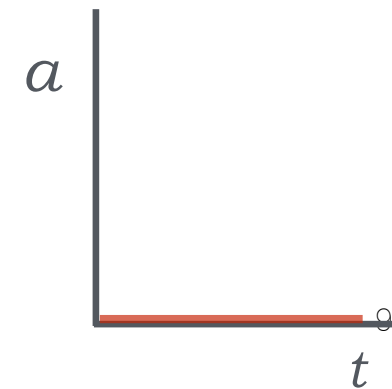
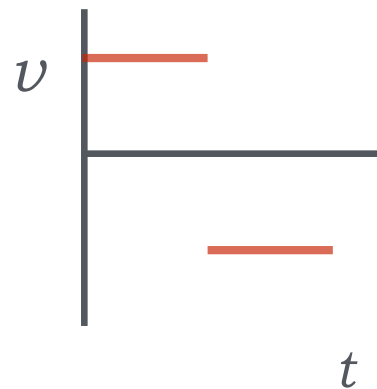
answer, defend



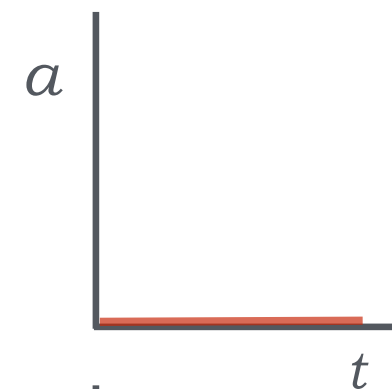
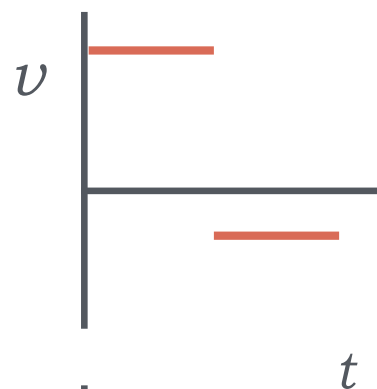
A



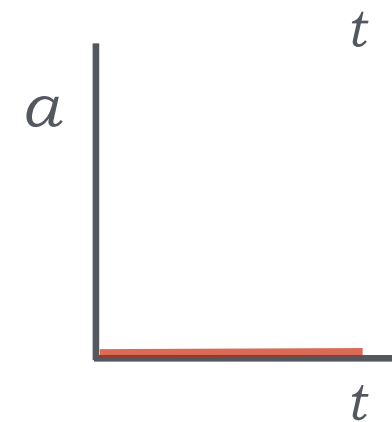
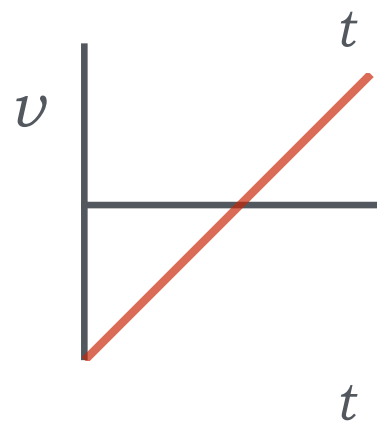
B



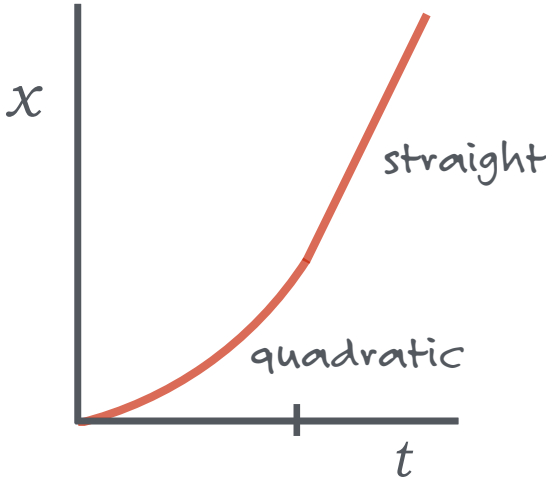
C



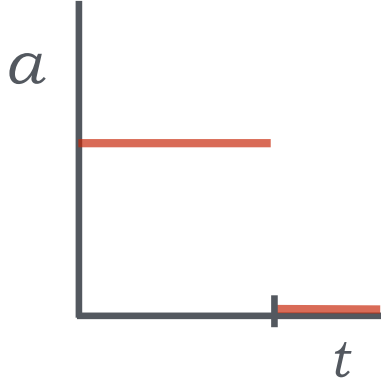
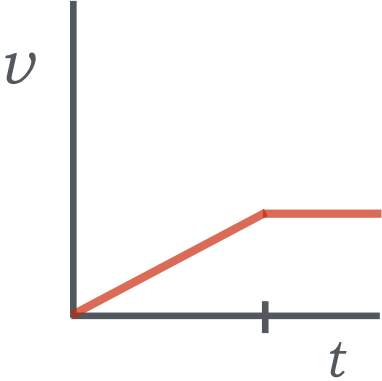
D



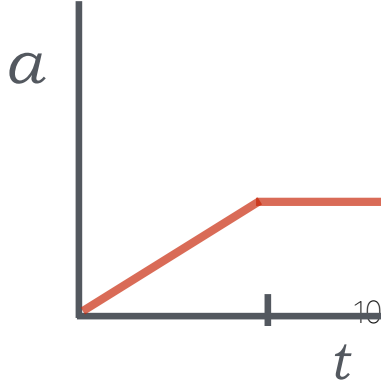
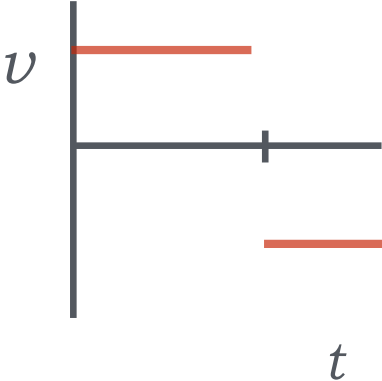
answer, defend



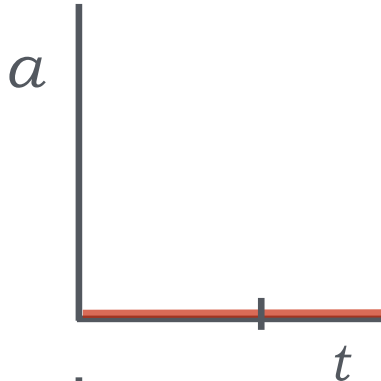
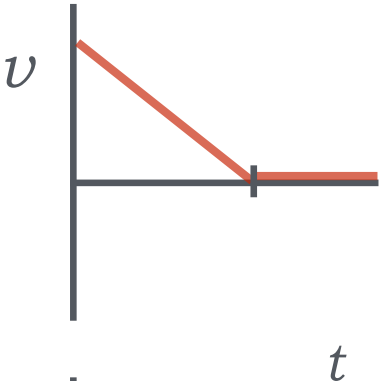
A



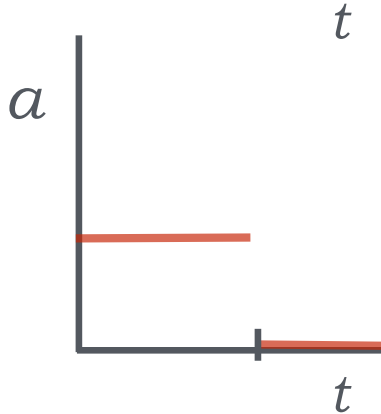
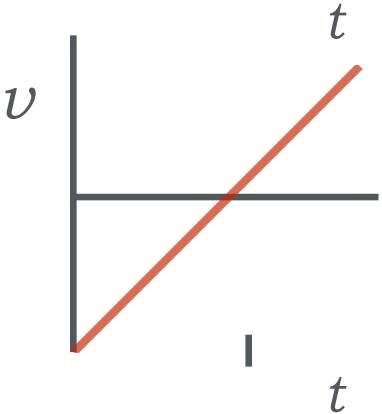
B



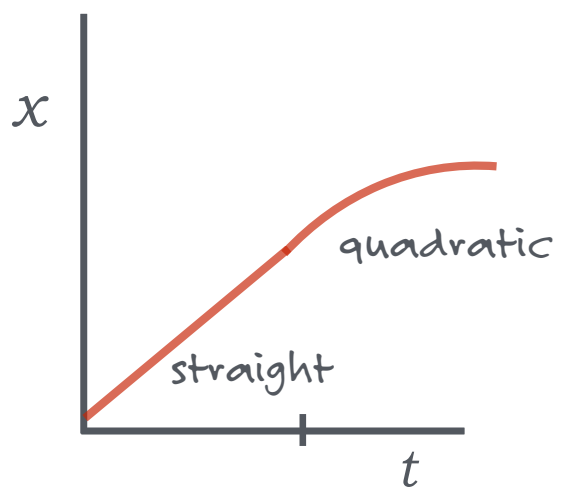
C



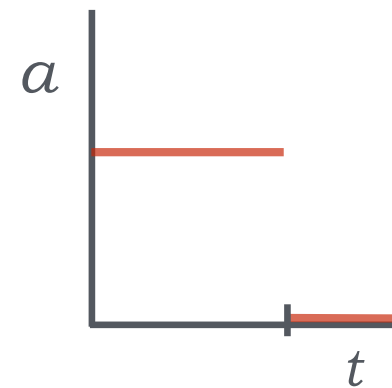
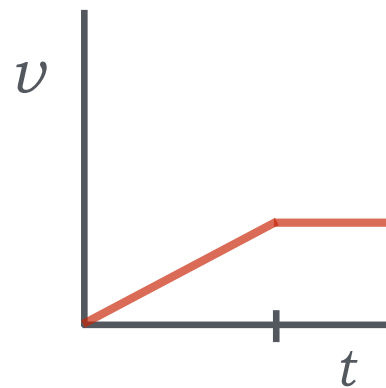
D



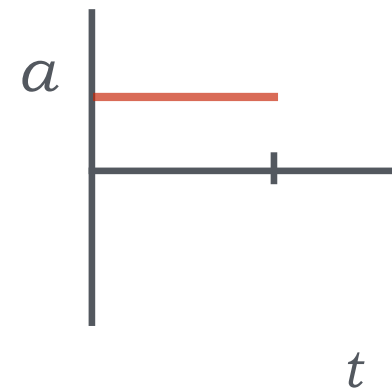
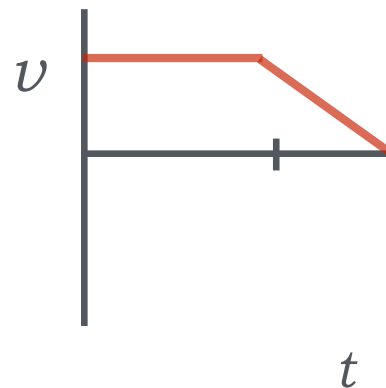
answer, defend



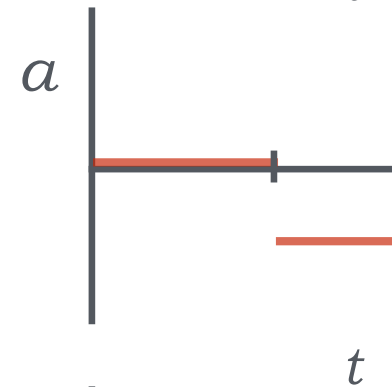
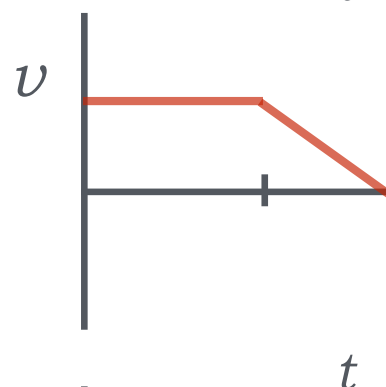
A



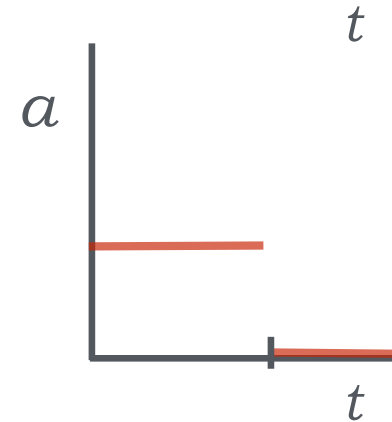
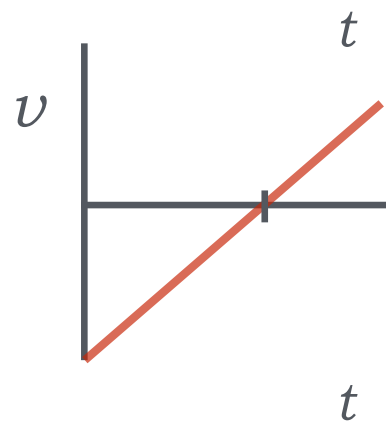
B



C



D



project

you'll need an approximate straight-edge

you'll need a stop watch/phone thingy

a trip, man.

starts moving



V1 - must commit

VR, or "rotate"

A330-300 Copenhagen-Chicago Part 2 Takeoff

mmpetersen Subscribe 99 videos ▾

A cockpit view of an A330-300 during takeoff. The pilot's hand is visible on the yoke, and the instrument panel is illuminated. The video player interface shows a progress bar at 3:46 / 9:04, a 360p resolution indicator, and a like/dislike button with 56,735 likes.

3:46 / 9:04 360p

Like Add to ▾ Share

56,735

Runway is 9,000 feet long.

After some time, it reaches "v1" and "vR"

measure time from starting to "rotate"

you'll hear:

"100 knots" ...computer (~115mph)

"V1" ...computer

"rotate" ...human

A330-300 Copenhagen-Chicago Part 2 Takeoff

mmpetersen

 Subscribe

99 videos 



3:46 / 9:04

360p



Like



+ Add to 

Share



56,735



Uploaded by mmpetersen on May 6, 2010



A

B

C

D

