Video Problem Presentation 4

Due Sunday November 1st

Calculus 1

Change Notes from video problem presentation 3:

- No changes other than the problems

Description of activity:

In this project you are to create a video of yourself solving the problems below. You may use whatever technology you like, but your final result should satisfy the following criteria:

- At the beginning of the video you introduce yourself.
- At the end of the video you cite any resources you used. This includes both any math resources and any computer software resources.
- The mathematics should be clear to read and correct.
- You need to be visible in the video.

After creating your video, upload as a discussion board post on Blackboard.

Watch some of your peers' videos (You don't need to watch all of them) and reply to at least two people. Your reply should include both praise and constructive criticism using the "sandwich" technique. That is, first express something you liked about what they did. Then express some constructive criticism on something that could be improved. Finally end with something else you liked about their presentation. Minimum 200 words.

Problems:

Find each of the integrals below.

$$\int 5x\, e^{5x^2}\, dx$$

$$\int_{\sqrt{\frac{\pi}{2}}}^{\sqrt{\frac{3\pi}{2}}} x\cos(x^2)\, dx$$

New to video creation? Here are some suggestions.

There are many tools out there for creating videos. I am certainly no expert. However, to get you started I uploaded to Blackboard an example of 6 different methods of creating a presentation video. You may come up with your own method.

- Camera app pointed onto a whiteboard
- Camera app with prepared slides
- Zoom with slides recorded as host
- Zoom with slides recorded as member
- Zoom with slides as virtual background
- Math added in after during post-processing

Having trouble uploading a video? Here are some suggestions:

If you try to upload a video directly into Blackboard, it might lag or stall or just not upload.

- Upload into Kaltura, then embed the video into your post. Kaltura is built to handle large media, uploading to it should work much better. In particular, Kaltura's servers are designed to handle massive bandwidth, moreso probably than Blackboard itself.
- Compress the video before uploading it. Especially if you're recording from your camera app, those things are typically designed for high quality, not for portability.
- Upload it to your UCA Google Drive instead of your post. Then enable sharing to anyone that has the link, and paste the link into your post. Please please double check your sharing settings though, perhaps in a private browser.