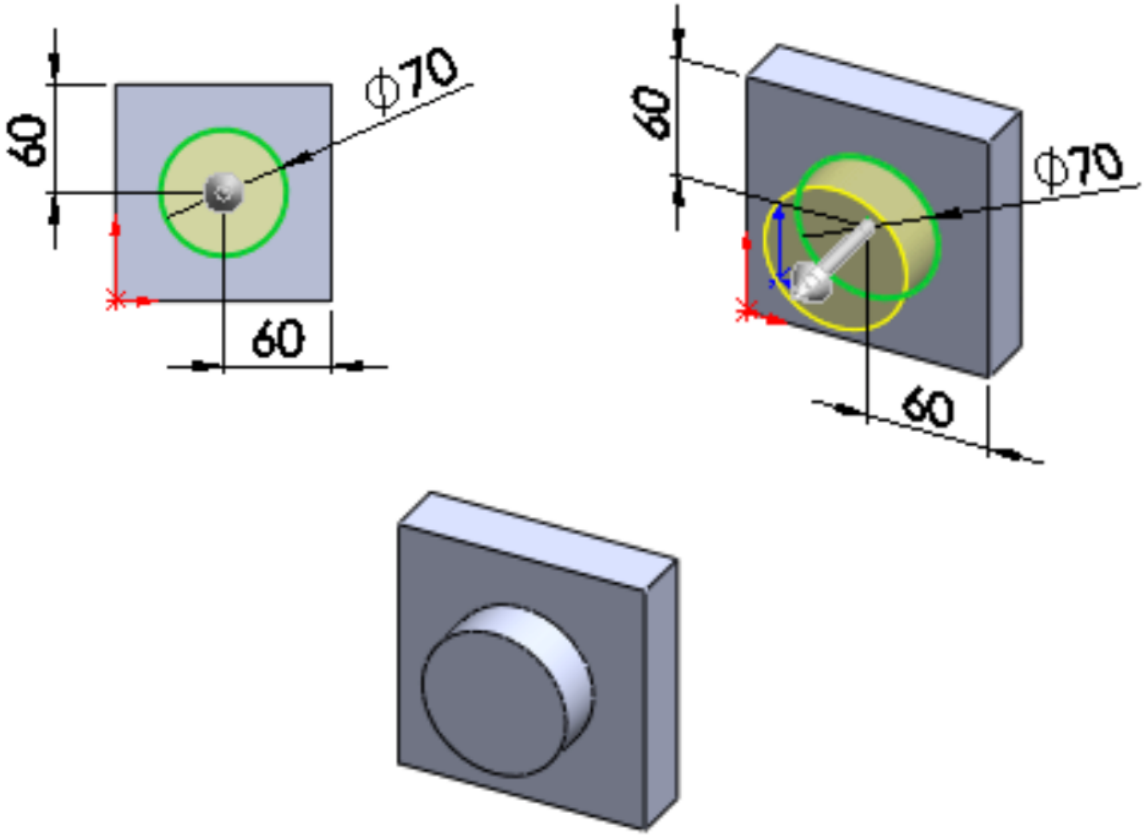
BME 200
Lesson 21
Nov 3, 2020

Schedule for remaining courses

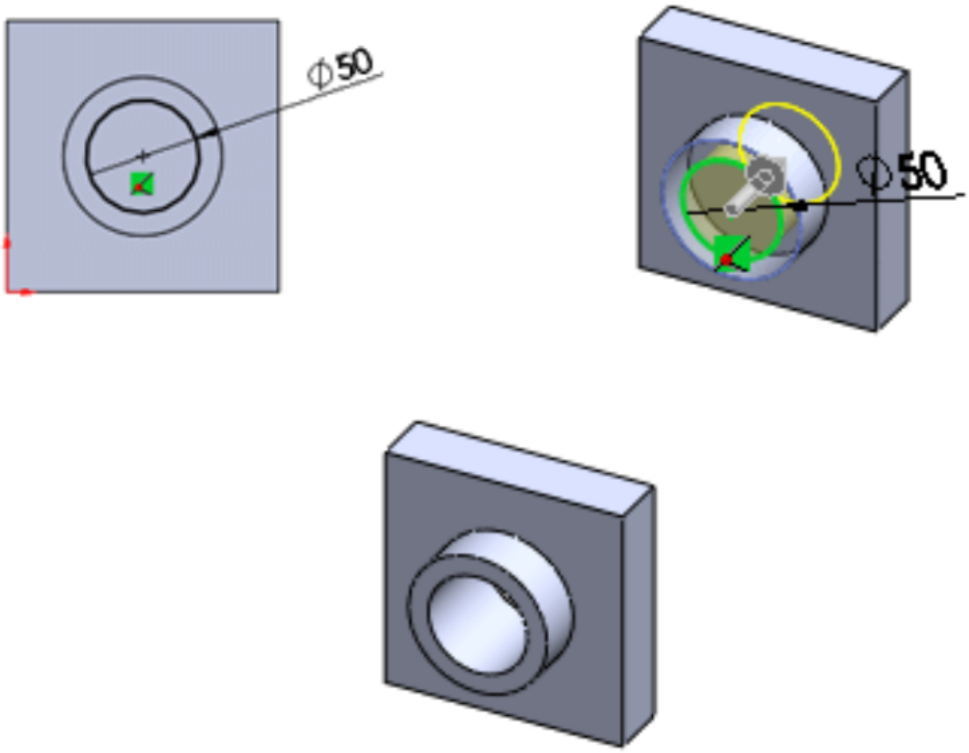
Nov 3	Intro to Solidworks 2018
Nov 5	Solidworks tutorial - solidworks file and PDF due by 11/8 midnight
Nov 10	Project
Nov 12	Project
Nov 17	Review

I. Solidworks
   A. General idea
      1. CAD = computer aided design
      2. Create a 3D object by using primitive shapes
      3. Some basic concepts:

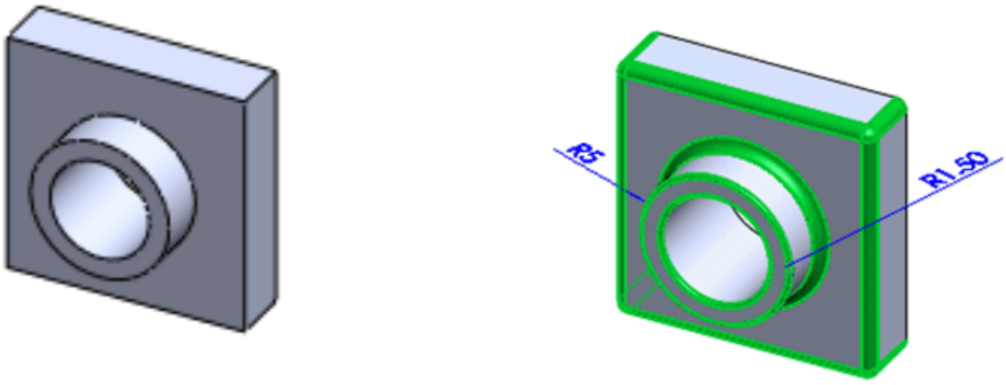
         A circle is **extruded** to become a cylinder



An **extruded cut** is used to make holes. For example, a concentric circle is used to identify where to make a cut through a cylinder

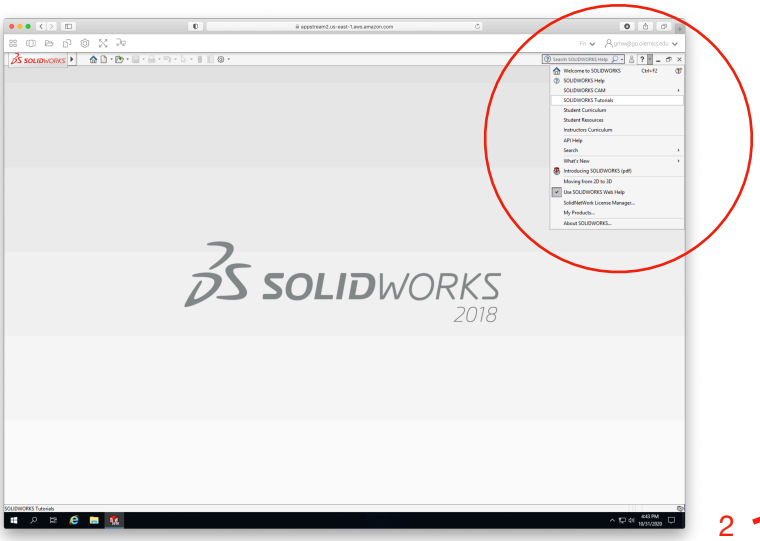


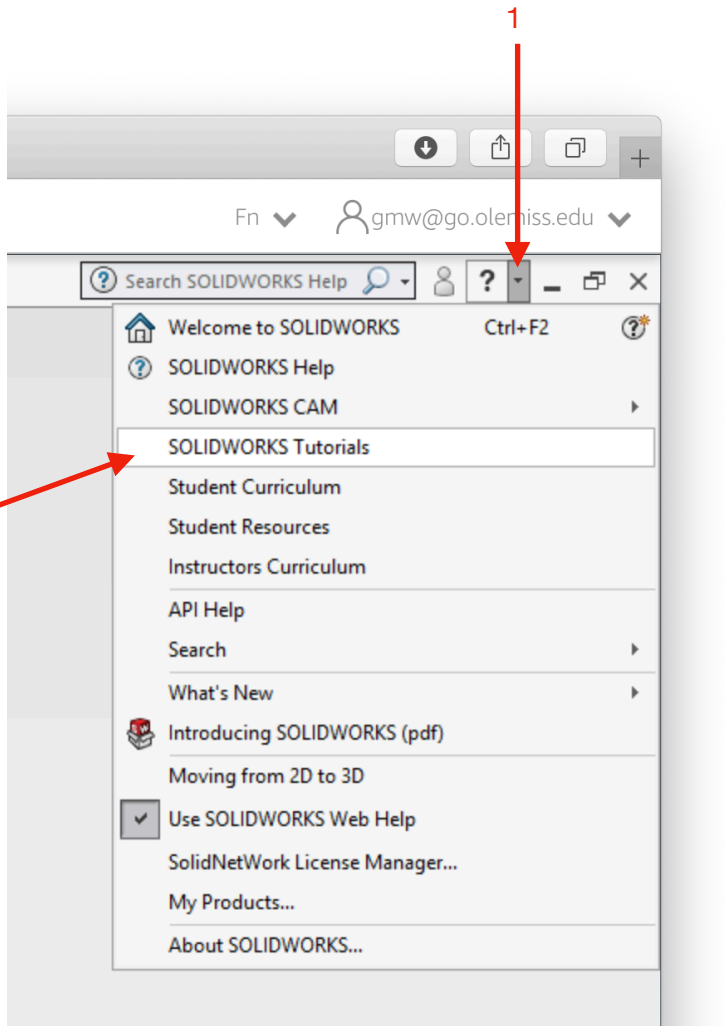
A **fillet** is a rounded corner



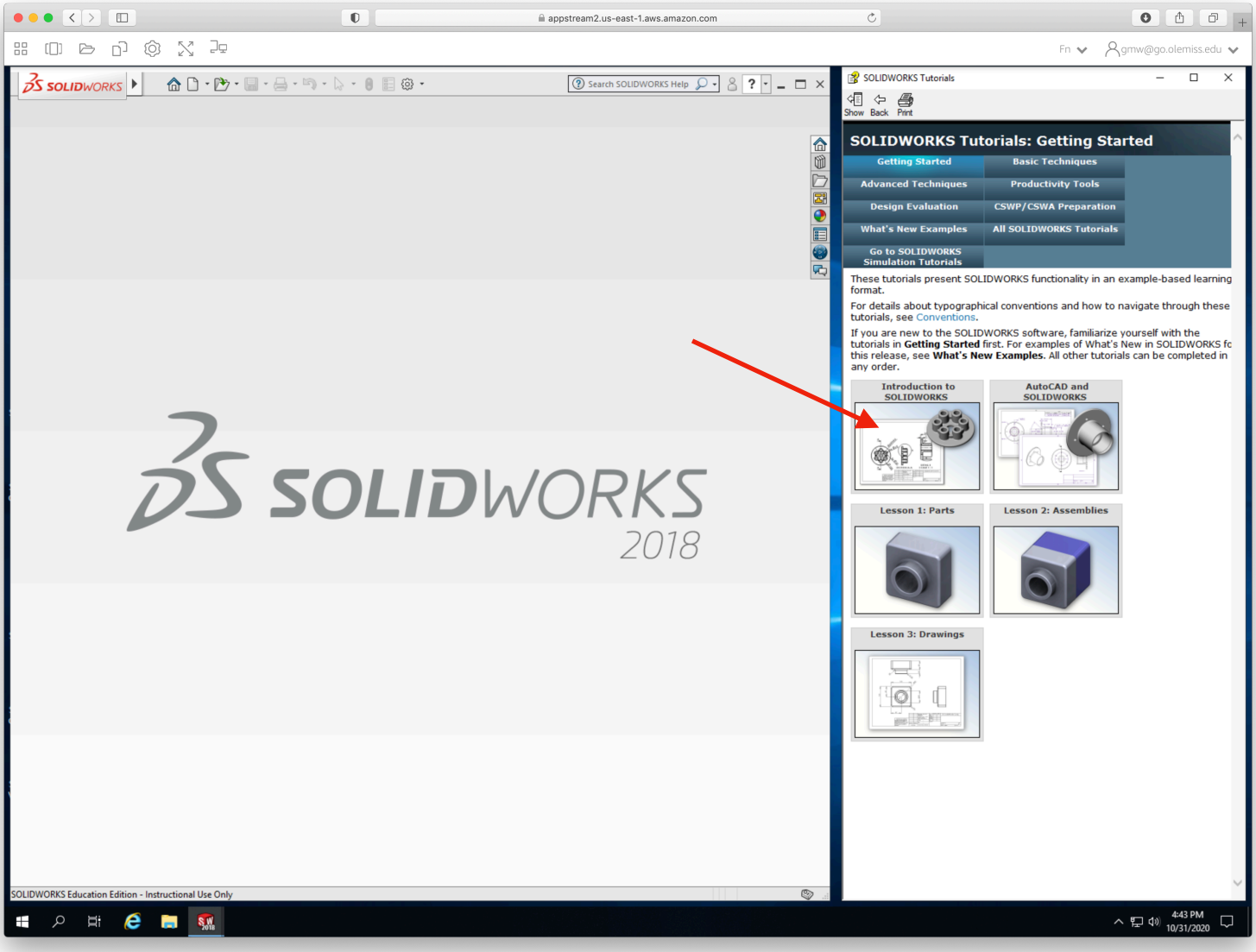
B. Getting started (see Getting Started PDF)
C. Start work on tutorial
    1. Your own copy of the SLDPRT file and a PDF of it **due by midnight 11/8**
    2. Once you log in and Solidworks loads, you can close this window if it appears

3. Then, open up tutorials

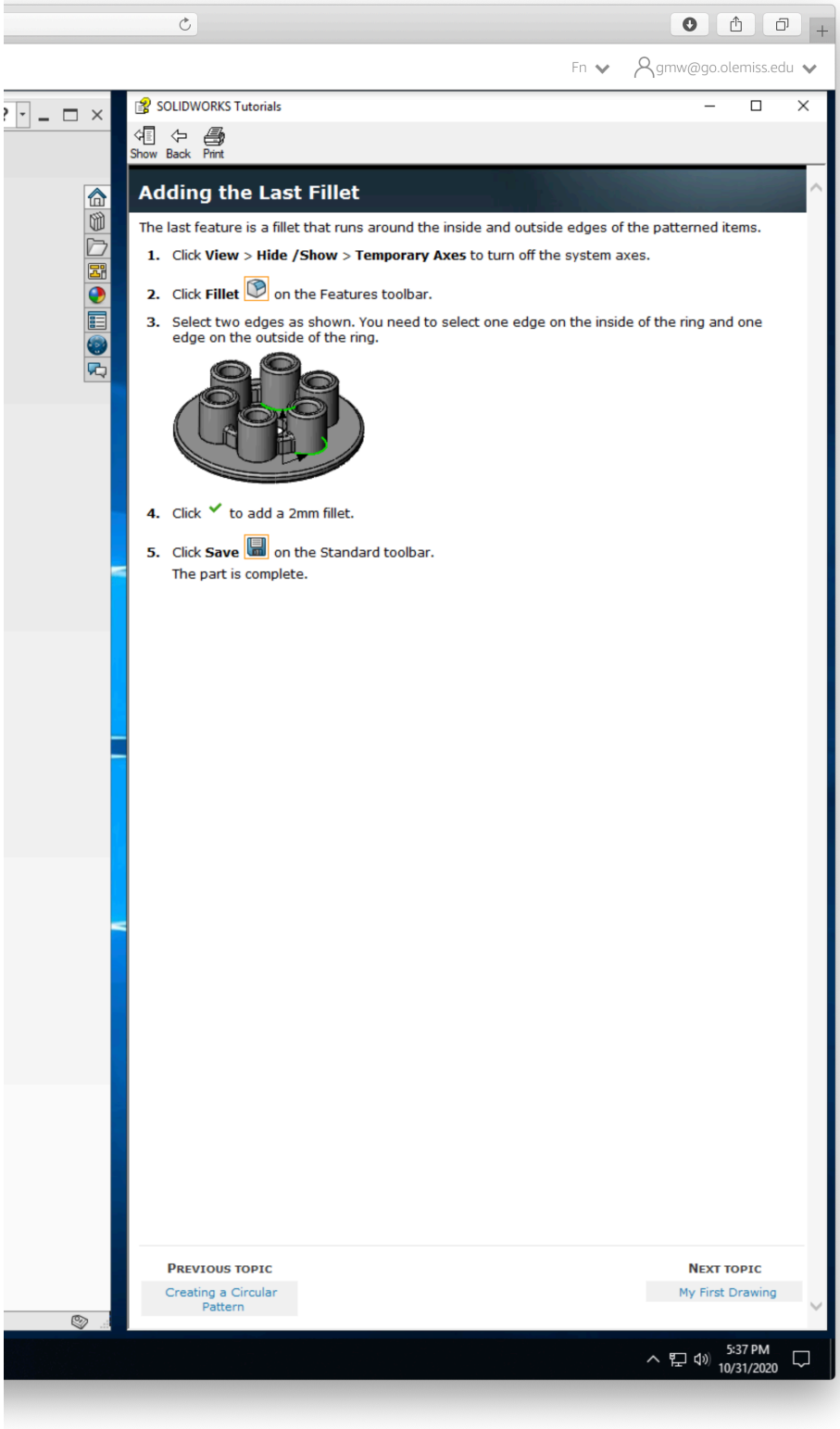




4. Choose this tutorial

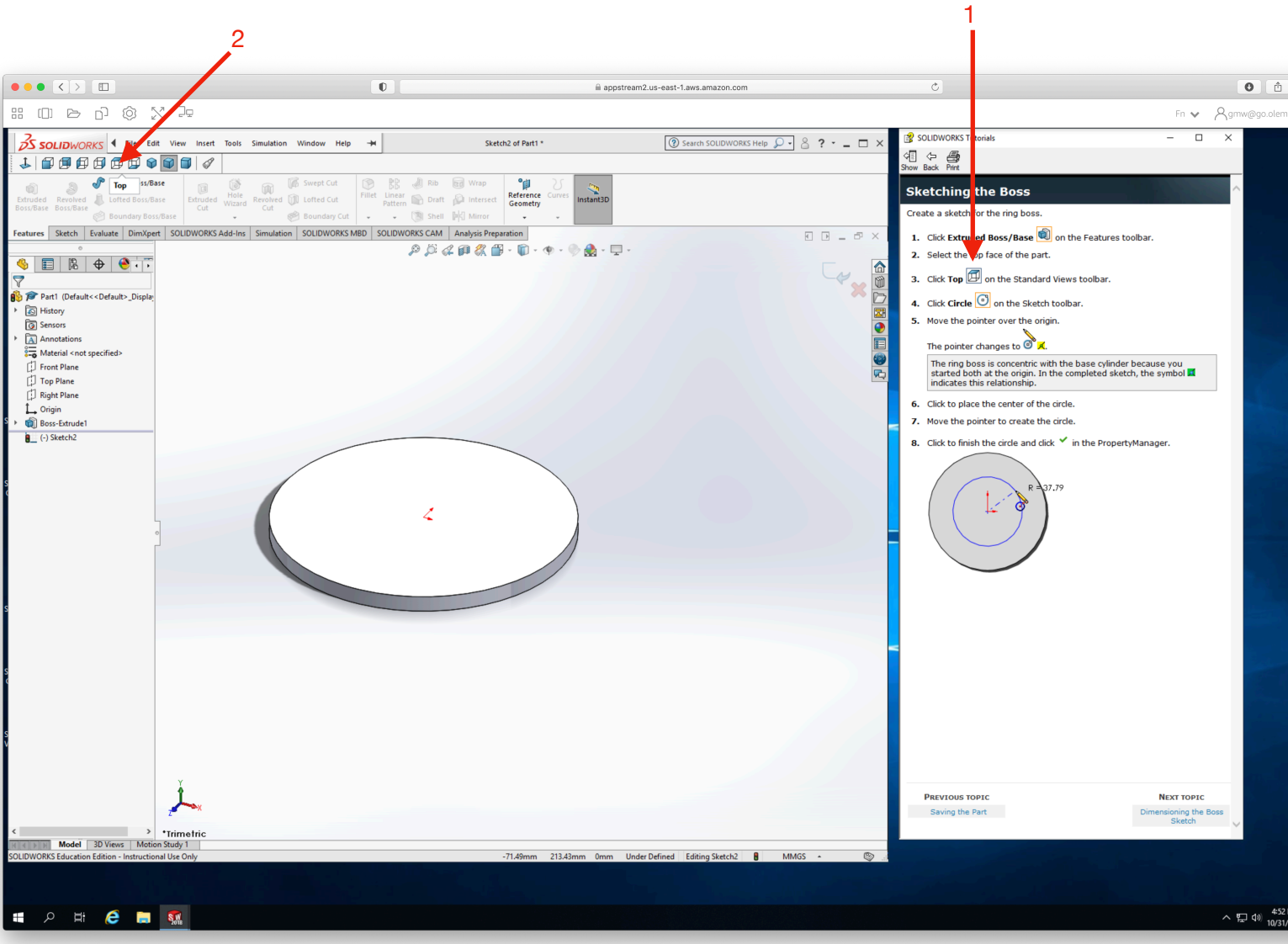


5. Stop after you complete this step

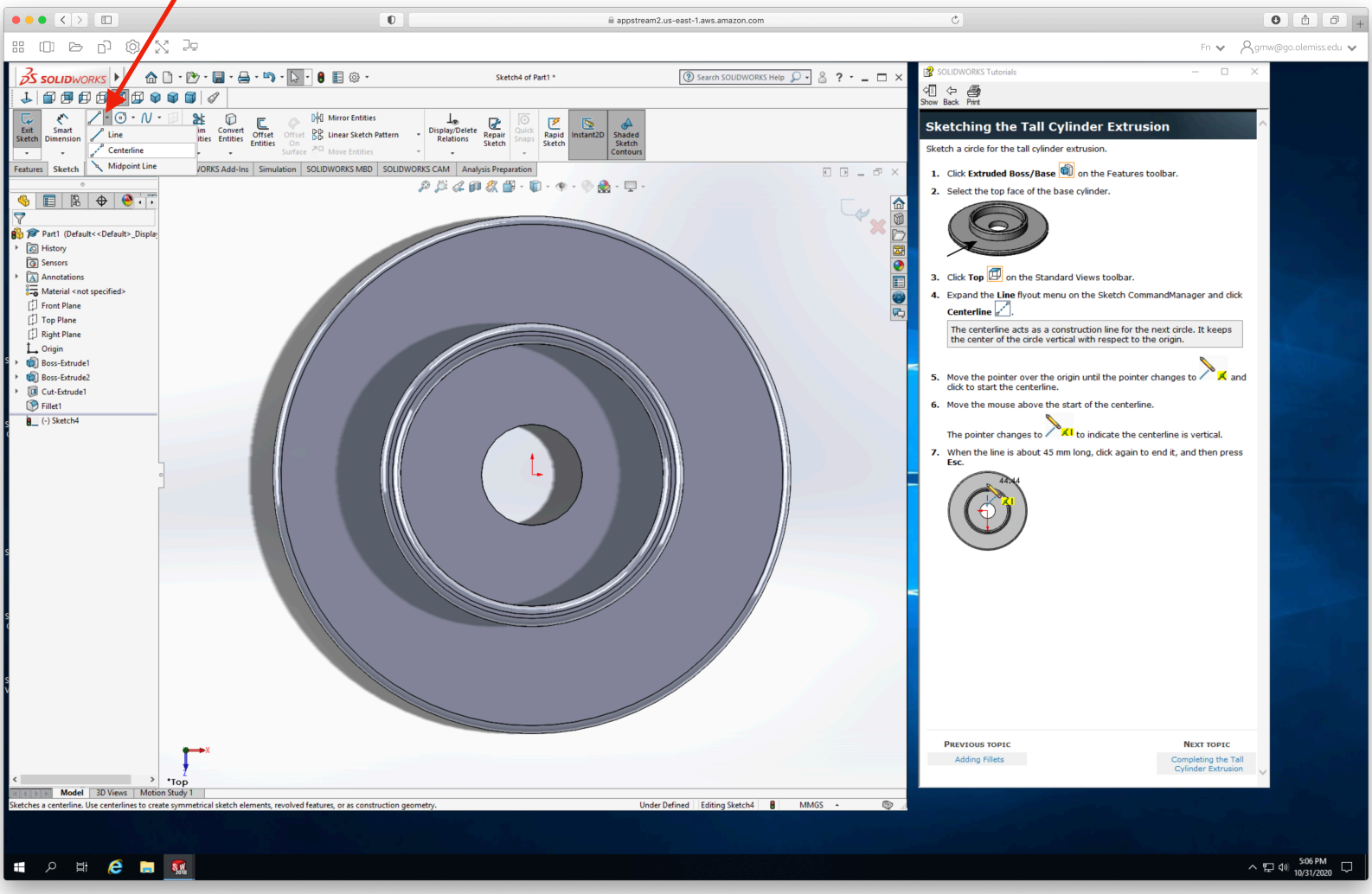


D. Misc tips for the tutorial

1. Click on buttons in the tutorial to make Solidworks show where the button is located on the menu.



2. When you get to the step that talks about a **centerline**, find the option here



3. Video from Solidworks 2016, so concepts will be the same, but button locations, etc., may not match exactly
    a) https://www.youtube.com/watch?v=PovLu7Mnhgc