

Maya Assignment: 23 questions due by Friday, November 18th.

We do NOT have an exam on Friday, but will have class on Friday.

Write your answers out clearly and neatly. Number the answers 1, 2, 3, ..., 11 and B1, B2, B3, ..., B12. Make the written answers large enough to easily be read.

Eventually, we will model a portion of our solar system using Maya. To prepare for that answer a few questions using this URL: <http://www.cs.uni.edu/~jacobson/m/wk2/sunEarthMoon.html>

1. What is the very first menu and command that is done in the 29 step tutorial? Be specific and write down the entire STEP #1 instructions. Was it the MOON, or EARTH or SUN that was created first?
2. To what size is the MOON scaled so that it is smaller than the default sized Polygonal Sphere?
3. What is the name of the one attribute that is changed for the EARTH Sphere? All the rest are left at their default.
4. What are the names of the THREE ATTRIBUTES for the SUN sphere that are changed to 3 to make it 3 times larger than the default size?
5. See step #14 and describe what a vertical red line indicates in Maya and where you actually see a Vertical Red Line.

Observe the SUN, EARTH, and MOON animation done with CUBES instead of SPHERES. Easier to see the rotation of each "Planet" on its own Y-axis when they are NOT spheres. The EARTH orbits only 360 degrees, but the MOON orbits the earth 3 times, or 1080 degrees total. <http://www.cs.uni.edu/~jacobson/m/wk13/SunEarthMoon.html>

Use the Introduction to Maya PDF to answer the questions below here:

http://media.wiley.com/product_data/excerpt/47/07821440/0782144047.pdf

6. The QWERTY tools are six tools that are described each as a one word term. Fill in the blanks for Q, W, E, R, T and Y keyboard shortcuts. See page 2 of the PDF from the Wiley textbook Introduction to Maya.
7. What is the Channel Box? Write out the 12 word description found on page 2 of the PDF
8. What are Selection Modes? Page 2 of PDF, 8 words. Helps to remember these by knowing the selection modes match the first 3 letters of a well-known sport. (Hint: See the Status Line at the bottom of page two.
9. See NAVIGATION at the bottom of page 8 of the PDF. What does pressing the key F do? What does pressing the key A do?
10. Navigation at bottom of page 8 still for this question: What are the 3 types of NAVIGATION you do with the 3 mouse buttons? What key do you hold down while doing the navigation with the camera using the LMB, MMB, and RMB?
11. Page 13 of the PDF explains PIVOTS. Write down the 3 paragraph description of PIVOTS. Each of the 3 paragraphs only has 2 sentences, so you are only writing out 6 sentences. We adjusted PIVOTS of Spheres with Autodesk Maya on Wednesday 11/14/2016.

Part B: Answer these [12 short answer and fill in the blank questions](#) by watching the Steven Murdoch video. You only need to watch the first 3 minutes and 18 seconds of the video. [Modeling a Wineglass video](#) is 8 minutes and 9 seconds long. Watching only the first 3 minutes and 18 seconds is enough for answering the 12 questions. You will probably enjoy the Aussie accent of Stephen Murdoch, by the way! B1, B2, B3, B4, ..., B12 are the part B questions.

If you should happen to see any wine served around Thanksgiving next week, you will be able to brag that you know how to model a wine glass using Maya and transforming a polygonal cylinder!