

Math 29
Homework 6

Write a 1-3 sentence summary of what we did in class the previous period.

1. An **astronomical unit**, denoted AU , is the average center-to-center distance from Earth to Sun. Modern measurements have established the value of the AU to be about 9.2967×10^7 miles. It takes about 8 minutes for the Sun's light to reach Earth. Use this to estimate the speed of light in meters per second. (A mile is 1,609 meters).

In Section 2.2 do problems 2, 11, 12 (note the graphs are directly below the problems); and in Section 4.1, do problems 2, 5, 6, 7, 8. Note that the answers to problem 4.1.8 a-c in the back of the book are incorrect. Be sure to show all of the steps of your work.