Homework #3: Due Wednesday, June 17th

For full credit, put your name, and the homework number in the upper right-hand corner of your solutions. Staple multiple sheets together so nothing gets lost. Always show your work and explain how you got your answer, and be careful about units. Please put a box around your final answer if it is numerical. Unless otherwise stated, all page numbers and questions refer to *The Cosmos, by Pasachoff & Filippenko, THIRD EDITION.*

Every question is worth 4 points, so the total homework is out of 52 points.

**Chapter 8**

(1) page 208, question 6
(2) page 208, question 9
(3) page 208, question 10
(4) page 208, question 18
(5) page 209, question 25

**Chapter 9**

(6) page 224, question 5
(7) page 224, question 7
(8) page 224, question 9
(9) page 224, question 13

**Chapter 10**

(10) page 242, question 5
(11) page 242, question 10
(12) page 242, question 27
(13) page 242, question 30