Exam problem solving

Today’s homework is homework #8, due 9pm, Friday, June 27!!
Announcements

• **Mid-term exam results**
  - Class Average: 50.3/98
    - Equivalent to: 51.3/100
    - Previous exam: 64.1/100
  - Top score: 84/98

• **Quiz Thursday, June 26**
  - Beginning of the class
  - Covers what we learn by Wednesday, June 25

• **Don’t forget the Mid-term grade discussions**
  - Today at the bottom half of the class

• **Final exam**
  - 8 – 10am, Monday, June 30, in SH103
  - Comprehensive exam: Covers CH 1 – What we finish this Thursday, June 26
Evaluation Policy

• Homework: 30%
• Term Exams: 20%
  – The worse one will be dropped from the final grade
• Final Comprehensive Exam: 25%
• Lab score: 15%
• Pop-quizzes: 10%
• Extra credits: 10% of the total
• Grading done on a sliding scale
Reminder: Extra-Credit Special Project

• Derive the formula for the final velocities of the two objects which underwent an elastic collision as a function of known quantities $m_1$, $m_2$, $v_{01}$ and $v_{02}$ in page 21 of this lecture note. Must be done in far greater detail than what is covered in the lecture note.
  – 20 points extra credit

• Describe in detail what happens to the final velocities if $m_1=m_2$.
  – 5 point extra credit

• Due: Start of the class next Wednesday, June 25