Name_____

Homework Assignment #5
due in class Friday, October 7
Cover sheet : Staple this page in front of your solutions.
Write the *answers* (without calculations) on this page;
write the detailed *solutions* on your own paper.

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[21] Problem 3.4.**
Answer: Suppose $M_{Cart} = 3\, m_{hobo}$. Then the ratio $v_{final}(b) / v_{final}(a)$ is ...

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[22] Problem 3.5.**   *(There is no answer to report here.)*

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[23] Problem 3.6.*   *Answer: the thrust, in tons, is*

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[24] Problem 3.10.*   *Answer: the mass when p is maximum is ...*

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[25] Problem 3.12.**
Answer: the final speed for the two-stage rocket is ...

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[26] Problem 3.13.**   *The height at t = 120 s is ...*