

Physics 303K Extra Problems

1. Grading Criterion for Extra Homework Problems

- (a) *Relative Motion, 2-4* This problem was scored out of 10 points. 3 points for correct qualitative solution. 4 points for a *clear, concise* explanation of how to solve the problem. I also looked for at least a few words between each equation, describing the variables and what algebraic manipulations were performed. 1 point for a picture. 2 points for neatness.
- (b) *Projectile Motion 2-11* This problem was scored out of 10 points, the same as above.
- (c) *Rotational Collision* This problem was scored out of 10 points, the same as above.

2. Comments

- (a) Too many words. Be more concise.
- (b) Too few words. It's not clear what you did.
- (c) Write legibly.
- (d) Make this quantitative.
- (e) No picture.
- (f) Don't use numbers. Solve for the general case. Then plug in numbers *at the very end*.
- (g) You got the right answer, but through the wrong reasoning.
- (h) Units.

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