

Regular Physics Circular Motion

FUN ASSIGNMENTS!!!!!!!!!!!!

Fun Assignment 1

☆ Read pp. 224-229

☆ Do!

☆ p. 226 P: 1-4

☆ p. 228 P: 1-4

☆ p. 229 FA: 1, 4 - 7

☆ p. 261 R: 2, 3, 5, 7, & 10 (Don't quit on 10. You can do it. I won't give points without sincere effort shown. *Hint: For part b set $F_c = F_g$ and solve for a_c using the mass from problem a.)*)

Fun Assignment 2

☆ Read pp. 230-237 & 242-243

☆ Do!

☆ p. 237 FA: 1-3

☆ p. 243 FA: 6, 7

☆ p. 261 R: 12-14, 16, 18

☆ Answer these questions based on the reading:

- What is apparent weightlessness?
- Is the person really weightless?
- What forces are involved/not involved to give a sense of apparent weightlessness?
- Where is someone *actually* weightless?

☆ Answer these questions based on the reading:

- What is escape velocity?
- What is the escape velocity for a black hole?
- What is a Schwarzschild radius?
- Discuss the mass of a black hole.

