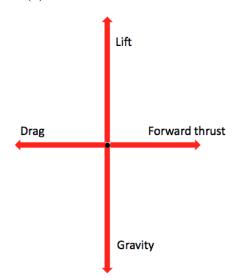
PHY131H1F "Introduction to Physics I"

Answers to suggested End of Chapter Conceptual Questions in Knight Physics for Scientists and Engineers 3rd edition. I do not give the explanations. These are just meant to reassure you once you have reasoned through the question yourself. *Please try these first before referring to the answers!* If you notice any mistakes in these answers please contact me and I will fix it. - - Jason Harlow Sep. 29, 2012

- 1.1 (a) 3 (b) 2 (c) 4 (d) 3
- 1.7 position is negative, velocity is positive, acceleration is positive
- 2.8 (a) Yes, at 3 and 6 (b) Yes, between 4 and 5
- 2.10 Yes, if it is slowing down
- 2.12 (a) equal to g (b) equal to g (c) equal to g
- 4.4 (a) no (b) yes, at the top of the curved path
- 4.8 Ball 1 was thrown at a faster speed.
- 4.14 (a) ω +, α + (b) ω -, α + (c) ω +, α (d) ω -, α -
- 5.5 gravity (a) long range (b) Earth [also, if you don't neglect air resistance, there is drag (a) contact (b) air]
- 5.7 (a) 20 m/s^2 (b) 5 m/s^2 (c) 10 m/s^2
- 5.15 C
- 6.2 no
- 6.10 correct amount
- 6.16 yes
- 7.5 equal to
- 7.6 larger than
- 7.7 equal to
- 7.15 greater than
- 8.4 greater than
- 8.6 neither
- 8.7 (a) zero

8.7 (b)



8.7 (c)

