

PHYS 111

HOMework #7

Due : 27 October 2016

All problems are taken from the text.

1. 18, p. 147
2. 22, p. 147
3. 28, p. 148
4. 34, p. 148
5. 40, p. 149. First do this problem with symbols rather than numbers. The box has mass M , the pushing force has magnitude P acting at an angle θ below the horizontal. The coefficient of friction is μ . Answer all parts a) through e) using these symbols. Then use the numbers given in the book and compute the numerical answers for all parts a) through e). (5 pts each part).
6. 46, p. 149
7. 48, p. 149
8. 56, p. 150
9. 57, p. 150