# Homework 1.1

### David Abramov

## April 4, 2017

# 1 Periods of a Compound Pendulum and Kater's Pendulum

$$I = I_{cm} + md^2 (1)$$

# 2 Steps and Approach

- (2)
- (3)
- (4)
- (5)
- (6)
- (7)
- (8)
- (9)
- (10)
- (11)

(12)

(13)

(14)

(15)

- 3 Limiting and Special Cases
- 4 Discussion