

MATH 3250, SECTION 301
QUIZ 5
03/13/2017

Honor Pledge: On my honor as a student, I have neither given nor received aid on this quiz.

Name:

Signature:

- (1) When a 0.1 kg mass is attached to a vertically hung spring, the spring stretches .098 m. The mass is put into motion by pulling it down an additional .2 m and releasing it. Let $g = .098 \text{ m/sec}^2$.

If we ignore damping,

- (a) What is the resulting displacement function? (5)
- (b) What is the period of the motion? (1)