

Name:

ID:.....

Section: 1 (2:30pm) 2 (1:30pm)

1. (a) first-order system (5) _____
(b) system dynamics function (5) _____
(c) Graph (5) _____/15
- 2 (a) MidpointRule.m (3) _____
(b) Solve (Euler) (3) _____
(c) Solve (MidpointRule) (3) _____
(d) Numerical evidence (Euler) (3) _____
(e) Numerical evidence (Midpoint) (2) _____/15
3. local truncation error/10
4. stability analysis/10
5. "Pursuit Problem" code (10) & tests (15)/25

Total: (75) _____