

Name: _____

Section: _____

Math 10560, Quiz 6

March 17, 2017

- The Honor Code is in effect for this quiz. All work is to be your own.
- Please turn off all cellphones and electronic devices.
- Calculators are NOT allowed
- The quiz lasts for 10 min.

PLEASE MARK YOUR ANSWERS WITH AN X, not a circle!

1. (a) (b) (c) (d) (e)

2. (a) (b) (c) (d) (e)

.....

Name: _____

Section: _____

Multiple Choice

1.(2 pts.) Compute

$$\int_0^4 \frac{1}{x-2} dx.$$

- (a) 8 (b) 4 (c) 0
(d) Diverges (e) -4

2.(2 pts.) Use Euler's method with step size 0.5 to estimate $y(2)$ where $y(x)$ is the solution to the initial value problem

$$y' = x(y - x), \quad y(1) = 2.$$

- (a) 2.125 (b) 3 (c) 3.25 (d) 2 (e) 2.75

Name: _____

Section: ANSWERS

Math 10560, Quiz 6

March 17, 2017

- The Honor Code is in effect for this quiz. All work is to be your own.
- Please turn off all cellphones and electronic devices.
- Calculators are NOT allowed
- The quiz lasts for 10 min.

PLEASE MARK YOUR ANSWERS WITH AN X, not a circle!

1. (a) (b) (c) (●) (e)

2. (a) (b) (●) (d) (e)

.....