

201-N,

FALL 20



2. For the following pi

(a) (4 marks) Find

(b) (2 marks) Find

x  
x.

3. (5 marks) Use  
be given for us

7

4. Findings

(a) (4)

Y

(b) (4)

(c) (4)

Y

Quest

(d) (4 mar

$$y' =$$

(e) (4 mar

$$y' = \frac{1}{3} (x^2)$$

5. (4)  
(3)

6. Ar  
of  
(R)

(a)

(b)

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7. (5 mar  
of 3 r  
of  $\frac{\pi}{3}$  r

10 k





9. (5 marks) Find  
interval  $[-3,0]$ .

$(-1,$

$-3,$

10. Let  $f(x) = \frac{2}{(x -$

For the function

(a) (1 mark)

$(0,$

(b) (2 marks)

H. A

V. A

Question 10

$$f(x) = \frac{x}{(x-1)^2}$$

(c) (3 marks) Find

(0,1)

(d) (3 marks) Find

(

00

-

1

11. (5 mark  
inscribed

nd the radius and he  
right circular cone w

$h$   
 $h =$

$cm$   
 $cm$

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12. F

(

21

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1.

(4

y(1

14

(3 r

for