GROUP NAME: Logo: Doug makes Date: Topics:	Student Names (First and Last) Speaker/Presenter: Writer/Prep: QC/Leader:
Instructions: # 1 (165+ # 3)	
5 = 1 x x x 1 0 0 x x x x x x x x x x x x x	() (2100)

GROUP NAME:

Logo:

¿ Derive

Date: 5/8/13

Topics:

Student Names (First and Last)

Speaker/Presenter: Mike M

Writer/Prep: Joans (

QC/Leader: KQ+C M.

Instructions:

Test 3 # 2

Set up the integral to find the surface area of the function f(xy) = y+2x+100 above the rectangular region blue points (0,1)(1,1)(1,3)

 $S = SS = \frac{1}{2^2 + 1^2 + 1} dA$ $S = SS = \frac{1}{2^2 + 1^2 + 1} dA$

Z=y+2x+100

22 2 2× 2

38 = 1

Answer S'STG dydx

PROF. PORTER	MATH CLASSWORK	2
GROUP NAME:	Student Names (First and Last	
Logo:	Speaker/Presenter: Willi	am Carter
Date:	Writer/Prep: ZALIN	FARZANG
Topics:	QC/Leader:	
Instructions: Final Exam (Jul #3)	•	£
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	00 V	

GROUP NAME: Mechanical Ingineer



Date: 8/5/2013

Topics: #4, Test 3

Student Names (First and Last)

Speaker/Presenter: <u>Sway Porangada</u>

Writer/Prep: Mik Chiovani

QC/Leader: Renzo Changanaqui.

Instructions: (4) Cruie the virtegrals to find the verter of gravity for the region worder.

The further f(x,y) = y + 2x + 100 and above the treet angular program between the roires (0,1) (1,1) (1,3), when the density is 2xy

$$Mxy = \int_{0}^{2x+1} \int_{0}^{2x+1} \frac{y+2x+100}{2xy^{2}dy}$$

$$\frac{2}{2} = \frac{Mxy}{n}$$

$$M_{yL} = \int_{0}^{1} \int_{1}^{2r_{+1}} \frac{y+2x+100}{2x^{2}y} dv$$

$$\overline{x} = \frac{My_{L}}{M}$$

$$M_{2x} = \int_{0}^{2x^{2}} \int_{1}^{2x+100} 2xy^{2}dv$$

$$\bar{g} = \frac{m_2 v}{M}$$

GROUP NAME: Engineers Logo: Date: Topics: Lest	Student Names (First and Last) Speaker/Presenter: Writer/Prep: QC/Leader: Live live
Instructions: Set up integral	
f(x,y) ry + 2x +le	00 rzZ
-2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -	
12 1 14-x2 4t	2x+100 dydx
	-

GROUP NAME: The Days Moders	Student Names (First and Last)
Logo:	Speaker/Presenter:
Date:	Writer/Prep:
Topics:	QC/Leader: Viage (S
Instructions: Test 3 # 6	
e(rig) = y + 2x + 100 and co	above the circuitor
2 or	y= Ks(>0
SS r (Xsine + Wrose + 100) dedr	
SS Arsine + 4 resol + 1000	
5 [-arcos0 + 4/5120 +	10000 de
3 -2r+ 20070r - (-2r) dr	
2 5 2001 dr	and according to the contract of the contract
1 CCLTA 5 0	= 4007

GROUP NAM	E:	Student Names (First and Last)
Logo:		Speaker/Presenter: 100 nah Hall
Date:	5/8/13	Writer/Prep: Eric
Topics:	A++	QC/Leader:
Instructions:	Solving	elow by first using chape the Jacobian and then
(2)	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	the Pts $(0,0)$, $(3,1)$, $(3x-2y)dA$ $= (3u+6v)+2(3u-2v)dudo$

GROUP NAME: (OM)SCI	Student Names (First and Last)
Logo:	Speaker/Presenter: Konal Hall
	Writer/Prep:
Date:	/
Topics:	QC/Leader: Enc 2 Mary
Instructions: 8) +est 3	
$\int_{0}^{4} \int_{0}^{16-x^{2}} \int_{0}^{2} \left(x^{4}y^{3}+z^{2} \right) dv$	
-516-x-x	
$\begin{pmatrix} 4 & \frac{7}{2} & 7 \\ 0 & 0 & 7 \end{pmatrix}$	n P dodod p
	The second secon

GROUP NAME: ENGINEECS Logo:	Student Names (First and Last) Speaker/Presenter	
Date:	Writer/Prep: Kylis 6	
Topics: I'm hungry	QC/Leader: Charlis N	
Instructions: Evaluate the inter two integrals		
$\int_{0}^{\infty} \int_{0}^{\infty} \int_{0$		

GROUP NAME: A TRACTOR

Logo:

Date: ダーゼー/ 3

Topics:

Student Names (First and Last)

Speaker/Presenter: Makaci M

Writer/Prep: Kate M.

QC/Leader: Joanna P.

Instructions:

F(x,y) = xy-x2

F(x,y) = < y - Zx, x>

F(151) = <-1,17

F(2,2)= <-2,2)

F(-1,1): (3,-1)

) F(x,y) - ds

x : 4 cost Osts & x' : -4 s, ut

4 = 42055

5 < 4 5 mil . 4 . 8 cost, 4 cost) . (-4 sint , 4 cost) d=

= (65in 4 + 165in + + 3 Zistin + cost + 16 cos + d+ = 54.3

£(-2,0) - f(0,0) - + - 0 = -4 GROUP NAME: EngeeS

Logo:

Date: 5/8/13

Topics:

Student Names (First and Last)

Speaker/Presenter:

Writer/Prep: Felipe

QC/Leader: Brendan

Instructions:

Test #3, 4 11

line integral of

 $f(x,y) = x-y^2$ over semicircle from (-1,0) to (1,0)

) F(x, x)ds ds = \((x (t))^2 + (y (t))^2

 $y^2 = \sin^2 t$ $y'(t) = -\sin(2t)$

 $\chi = cost$ $\chi'(t) = -sint$ d5 = V sin2t - sin2 (2t)

 $\int_{-\infty}^{\infty} x-y^2 ds = \int_{-\infty}^{\infty} \cos t - \sin^2 t \sqrt{\sin^2 t - \sin^2(2t)} dt$

= -1.74521

Strose - Ising Try de

GROUP NAME: Engles

Logo:

Date: 5/8/13

Topics: Green's Theorem

Student Names (First and Last)

Speaker/Presenter:

Writer/Prep: Brendan

QC/Leader: Felipe

Instructions: Tes+ 3

12

12.) $\int (x+3y)dx + (2x-y)dy + (-4,0) + o(8,2) + o(4,2) + o(-4,6)$



-48×58, 05y52

$$N \times = 3$$

 $\oint M dx + N dy = \iint \left(\frac{\partial x}{\partial x} - \frac{\partial M}{\partial y} \right) dA$

$$= \int_{0}^{3} \int_{-4}^{8} (\partial_{x} - 3) dx dy - 7 - 24$$

 $= \int_{0}^{3} (-x) \left[\frac{8}{4} dy \right] = \int_{0}^{3} (-(8)) - (-(4)) dy$