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Calculus III Project: #1 Multivariable Differentiation

Sele	ect your project team: (Recommend	ded: 4 students.)
1.	Name:	Sec:
	Email:	Phone:
2.	Name:	Sec:
	Email:	Phone:
3.	Name:	Sec:
	Email:	Phone:
4.	Name:	Sec:
	Email:	Phone:
	Newton's Method in 2 Dime The Gradient Method of Fin	
	The Trash Dumpster (10.5)	^
_	Locating an Apartment (10.6 Seeing a Blimp (10.7)	o)
	Minimal Squares and Triang	eles (Stewart p. 792 \#5 + similarly w. triangles)
	Exact Gradient Method (Ster	wart p. 793 \#11 or p. 866 \#2 + write a Maple program.)
	Minimal Ellipse Containing	a Circle (Stewart p. 793 \#13))

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Calculus III Project: #2 Multivariable Integration

Sele	ect your project team: (Recommended: 4 stud	dents.)	
1.	Name:	Sec:	
	Email:	Phone:	
2.	Name:	Sec:	
	Email:	Phone:	
3.	Name:	Sec:	
	Email:	Phone:	
4.	Name:	Sec:	
	Email:	Phone:	
Indi	icate your preference on projects: (1 for first		
	Interpretation of Divergence and Curl		
	Gauss' Law and Ampere's Law (9.11,	,	
	Volume Between a Surface and Its Ta		
_	Hypervolume of a Hypersphere (10.9)		
	Center of Mass of Planet X (10.10)		
	Skimpy Donut (10.10)		
	Steradian Measure (10.12)		