

Optimization Review Sheet

Two-Dimensional Optimization

	Rectangle (all four sides)	Rectangle (three sides only)
Optimal Values Occur When		
Diagram		
Key Equations	Maximum Area	Maximum Area
	Minimum Perimeter	Minimum Perimeter
Related Equations (length, width, radius, height)		

Optimization Review Sheet

Three-Dimensional Optimization

	Square-Based Prism	Cylinder
Optimal Values Occur When		
Diagram		
Key Equations	Maximum Volume	Maximum Volume
	Minimum Surface Area	Minimum Surface Area
Related Equations (length, width, radius, height)		

