| Helena Public Schools High School Mathematics Calculus - Teacher Resource | |
|---|--|
| Over-riding practices: Graphical, Analytical and Numerical relationship Word Problems/Problem Solving Comfort with "Unfriendly" answers | |
| | Focal Points |
| Limits | Graphical, Numerical and Algebraic solutions One-Sided Limits Continuity |
| Derivatives | Derivative as a rate of change Definition of a derivative Derivation rules Maximum and Minimum values Concavity Implicit Differentiation Related Rates Optimization Position/Velocity/Acceleration Mean Value Theorem |
| Integration | Reimann Sums and limits Integration from graphs, and tables Trapezoid Rule/Simpson's Rule Fundamental Theorem of Calculus Integration Rules Areas of non-polygonal regions Volumes of Rotational Solids Volumes of solids with known cross sections |
| Maintenance Topics | |
| | |