

## Ch. 4 Test Topics (2021)

### 1) Riemann Sums Table of Values

\* Approximate area using Left, Middle, or Right Rectangles.  
Approximation using Trapezoids

### 2) PVA (position velocity acceleration) calculator problem

\* Find displacement, total distance, velocity at a specific time, acceleration at a specific time, finding final position, determining increasing/decreasing speed, determining increasing/decreasing velocity, determining when a particle changes direction based on velocity graph.

### 3) Find Integrals involving:

\* Power Rule, Integral Trig Rules, U-Substitution, U-Substitution with change of variable, Definite Integrals, Definite Integrals involving U-Substitution

### 4) Reading and interpreting a Velocity Graph

### 5) Even/Odd Functions

### 6) Problem involving Second Fundamental Theorem of Calculus (SFTC)

### 7) Average Value Theorem