Mean Value Theorem for Integrals + More

Quick Review

1.) Velocity is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of acceleration.

2.) Acceleration is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_ of velocity.

3.) Displacement is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of velocity.

4.) The function given is y = x2 - 3. Find the average value of y in the interval [4, 8]. (You can use your calculator).

5.) Show that this average value is NOT the average of the values of y at x = 4 and x = 8.