

**Answer Key – Multiple-Choice Test - Lagrange Method of Interpolation  
Autar Kaw**

1 – C – n or less

$$2 - f_1(x) = \frac{x-b}{a-b} f(a) + \frac{x-a}{b-a} f(b)$$

3 – B – 0.5000

4 – B – 20.846 m/s

$$5 - C - \int_2^7 \sqrt{1 + (0.4572x^2 - 4.514x + 9.605)^2} dx$$

6 – A – 0, 15, 18

Source URL: <http://numericalmethods.eng.usf.edu/>  
Saylor URL: <http://www.saylor.org/courses/me205/>

Attributed to: University of South Florida: Holistic Numerical Methods Institute



Saylor.org

Page 1 of 1