

**Answer Key - Multiple-Choice Test - Gaussian Elimination
Autar Kaw**

1 - D – Upper Triangle

2 – C – Not determinable to be singular or nonsingular

3 – A – $x_1 = 26.66; x_2 = 1.051$

4 – B - $x_1 = 8.769; x_2 = 1.051$

5 – D - $-2.445 \cdot 10^{20}$

$$6 - B - \begin{bmatrix} 225 & 15 & 1 \\ 400 & 20 & 1 \\ 900 & 30 & 1 \end{bmatrix} \begin{bmatrix} a \\ b \\ c \end{bmatrix} = \begin{bmatrix} 362.78 \\ 517.35 \\ 602.97 \end{bmatrix}$$

