Losung

@ Satz ous Carlesceng

(2) Nochrechnen
$$\int_{|x|=x^2} |x|^2 dx = \frac{x^3}{3} \Big|_0^1 = \frac{1}{3}$$

$$\begin{array}{c|c}
10.3 \\
A = \begin{bmatrix} 2347 \\ 257 \\ 259 \end{bmatrix} \begin{bmatrix} 1007 \\ 234 \\ 111 \end{bmatrix} \begin{bmatrix} 234 \\ 023 \\ 002 \end{bmatrix}$$

(1) Löse 
$$Ly = 6$$
  $6 = (\frac{g}{2n})$   
 $\begin{bmatrix} 1 & 0 & 0 \\ 1 & 1 \end{bmatrix} \begin{bmatrix} 1/2 \\ 1/2 \end{bmatrix} = \begin{bmatrix} 6 \\ 1/2 \end{bmatrix} = \begin{bmatrix} 1/2 \\ 1/2 \end{bmatrix} \begin{bmatrix} 1/2 \\ 1/2 \end{bmatrix} = \begin{bmatrix} 1/2$ 

2 Löse 
$$Rx = y$$
  
 $\begin{bmatrix} 2 & 3 & 4 \\ 0 & 2 & 3 \\ 0 & 0 & 2 \end{bmatrix} \begin{bmatrix} x_1 \\ x_2 \\ x_3 \end{bmatrix} = \begin{bmatrix} 6 \\ 3 \\ 2 \end{bmatrix} = D 2x_2 + 3x_3 = 3 = 7x_2 = 0$   
 $\begin{bmatrix} 2 & 3 & 4 \\ 0 & 2 & 3 \\ 0 & 0 & 2 \end{bmatrix} \begin{bmatrix} x_1 \\ x_2 \\ x_3 \end{bmatrix} = \begin{bmatrix} 2 & 2 & 2 \\ 3 & 2 & 3 \\ 2 & 2 & 3 \end{bmatrix} = 7x_2 + 3x_2 + 4x_3 = 6 = 7x_1 = 1$ 

$$= \nabla x = [9]' | 10.41 | 01 | 9' = 3x^{2} - 1 = 0 = 0 | x = \pm 15'$$

1) 
$$10=1$$
 $11=1-\frac{3-1}{6}=\frac{7}{3}$ 
 $11=\frac{7}{12}$ 

