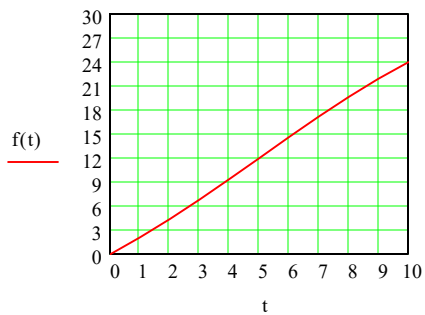
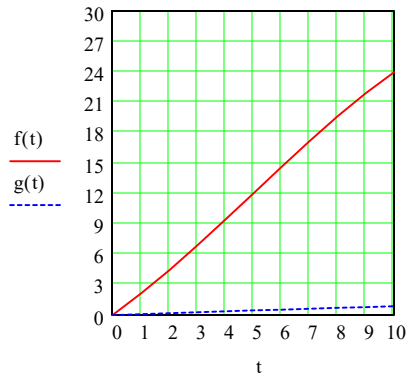
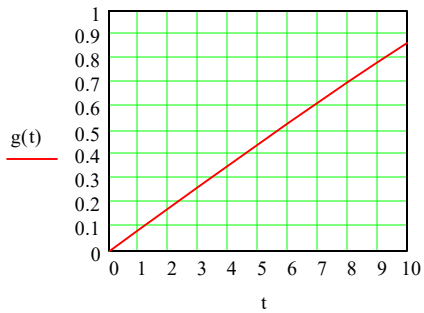


Question 4 d

$$f(t) := 2 + 2t - 2 \cos\left(\frac{\pi t}{10}\right) \quad g(t) := 2 \sin\left(\frac{\pi t}{70}\right) \quad t := 0..10$$



Question 4 b

$$A := \begin{pmatrix} 1 & -2 & -1 & 3 \\ 2 & 3 & 0 & 1 \\ 1 & 0 & -4 & -2 \\ 0 & -1 & 3 & 1 \end{pmatrix}$$

$$B := \begin{pmatrix} 10 \\ 8 \\ 3 \\ -7 \end{pmatrix}$$

$$C := A^{-1}B$$

$$C = \begin{pmatrix} -1 \\ 2 \\ -3 \\ 4 \end{pmatrix}$$