1) a)
$$0.(-4) + (-3).7 + 6.9 = 0 = 21 + 54 = 33$$

S) $7.(-3) + (-4).1 + 0.11 + 1.2 = -21 - 4 + 2 = -23$

$$\cos(a,b)$$
 = $\frac{12.4+2.3+4.4}{6.13}$ = $\frac{40}{78}$ = $\frac{35}{39}$

3.2)
$$A+B = \begin{pmatrix} 5 & -3 \\ 3 & 5 \end{pmatrix}$$
 $ABB = \begin{pmatrix} 4 & -1 \\ 3 & 0 \end{pmatrix} \begin{pmatrix} 4 & -1 \\ 0 & 5 \end{pmatrix} = \begin{pmatrix} 4+0 & -1+(-10) \\ 12+0 & -3+0 \end{pmatrix} = \begin{pmatrix} 12+0 & -3+0 \end{pmatrix}$

$$= \begin{pmatrix} 4 & -11 \\ 2 & -3 \end{pmatrix}$$

$$(3.3) \quad (3.3) \quad (4-2) \quad (8 \quad -16) \quad = \quad (9.3) \quad (9.3$$

$$\frac{2}{2} \left(\frac{3}{3} - \frac{5}{2} \right)$$

$$3.4)$$
 $A \cdot A^{9} = (3\times2) \cdot (2\times3)^{2} = \begin{pmatrix} 4 & 1 \\ 5 & -2 \\ 2 & 3 \end{pmatrix}^{3} = \begin{pmatrix} 4 & 1 \\ 1 & -2 & 5 \end{pmatrix}^{2}$

AXA 2 (95 0)