|  |  |
| --- | --- |
| 3 | 5 |
| 3 | 4 |

1)

a) 2A-BT=

|  |  |
| --- | --- |
| 11 | 9 |
| 7 | 8 |

b) AB=

|  |  |
| --- | --- |
| 1 | -1 |
| 7 | 18 |

c) BA=

|  |  |  |
| --- | --- | --- |
| -3 | 11 | 0 |
| -1 | 12 | -5 |

d)AC =

|  |  |  |
| --- | --- | --- |
| 1 | 3 | -4 |
| 1 | -2 | 1 |

|  |  |
| --- | --- |
| 1 | 1 |
| 3 | -2 |
| -4 | 1 |

f) CT x C=

x

=

|  |  |  |
| --- | --- | --- |
| 2 | 1 | 3 |
| 1 | 13 | -14 |
| -3 | -14 | 17 |

e)c x cT=

|  |  |  |
| --- | --- | --- |
| 1 | 3 | -4 |
| 1 | -2 | 1 |

|  |  |
| --- | --- |
| 1 | 1 |
| 3 | -2 |
| -4 | 1 |

x

=

|  |  |
| --- | --- |
| 26 | -9 |
| -9 | 6 |

3)

b) f(A)=A^2 – 3A + 2I3 (I3 là ma trận đơn vị cùng cấp của A)

4)

a)A=

1. 5
2. -1

A^2=

11 0

0 11

A^-1=