

```
Rima Akter(TEX2001019010)
19A(hena)
# If A= 6 3 find the matrix B such that 2A ^T+3B=0.
     -3 9
    12 -6
A ^T = 6 -3 12
       3 9 -6
2.A^ T = 2 6 -3 12
              3 9 -6
             12 -6 24
2.A ^T =
              6 18 -12
     2A ^T+3B=0
\Rightarrow 3B=-2A<sup> T</sup>
 \Rightarrow B = -1/3.2A^ T
       = -1/3. 12 -6 24
                6 18 -12
                -2 8
6 -4
      B =
                        Answer:
```