

Romylos Frangos

1802755

06/01/2021

12:15

ACHA4000

pg 3

$$(v) |A| = 8(4 - 0) - (-1)(-10 - 15) + 7(0 - 6)$$

$$|A| = 32 - 25 - 42$$

$$|A| = -35$$

$$(vi) |B| = -2(5 + 18) - 3(2 - 0) + 0.5(-18 - 0)$$

$$\Rightarrow |B| = -46 - 6 - 9$$

$$|B| = -71$$

(vii) $A+B$

$$A+B = \begin{pmatrix} 6 & 7 & 6.5 \\ -3 & 7 & 7 \\ 3 & -9 & 3 \end{pmatrix}$$