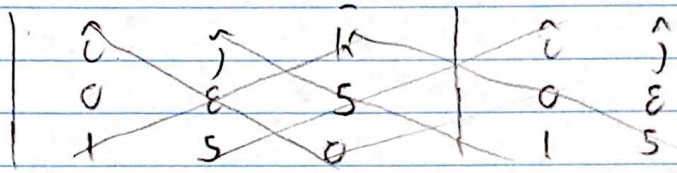
Solutions: 21-5-4.2-MK-01

A = (0, ε, 5)
B = (1, 5, 0)



~~(ε)(0) î~~ + (5)(1) ĵ + ~~(0)(5) k̂~~ − (1)(ε) k̂ − (5)(5) î − ~~(0)(0) ĵ~~

$C = -25\hat{i} + 5\hat{j} - \varepsilon\hat{k}$

$|C| = \sqrt{25^2 + 5^2 + \varepsilon^2}$

$|C| = 26.72$