MAT232H F21 - TT1 Solutions - Q1

Version 1

Part A. $\bar{n} = -2\bar{i} - 4\bar{j} + \bar{k}$

So take $\bar{v} = -2\bar{i} - 4\bar{j} + \bar{k}$

So, $x = -2t + 1$, $y = -4t + 2$, $z = t + 2$

Part B $\bar{n} = -2\bar{i} - 4\bar{j} + \bar{k}$

$\overline{AB} = -\bar{i} - \bar{j} + 3\bar{k}$