Finding Geometric Representations of Vector Spaces

Example 1

A = set{$[\lambda, \lambda + \mu^3, \lambda - \mu^3] : \lambda, \mu \in R$}

$[\lambda, \lambda + \mu^3, \lambda - \mu^3] = [\lambda, \lambda, \lambda] + [0, \mu^3, -\mu^3]$

$[\lambda, \lambda + \mu^3, \lambda - \mu^3] = \lambda[1, 1, 1] + \gamma[0, 1, -1]$

Where $\gamma = \mu^3$

Example 2

B = set{$[\lambda^2, -\lambda^2, 0] : \lambda \in R$}

$[\lambda^2, -\lambda^2, 0] = \gamma[1, -1, 0]$

Where $\gamma = \lambda^2$

$Set(0)$ = Subspace