習題三

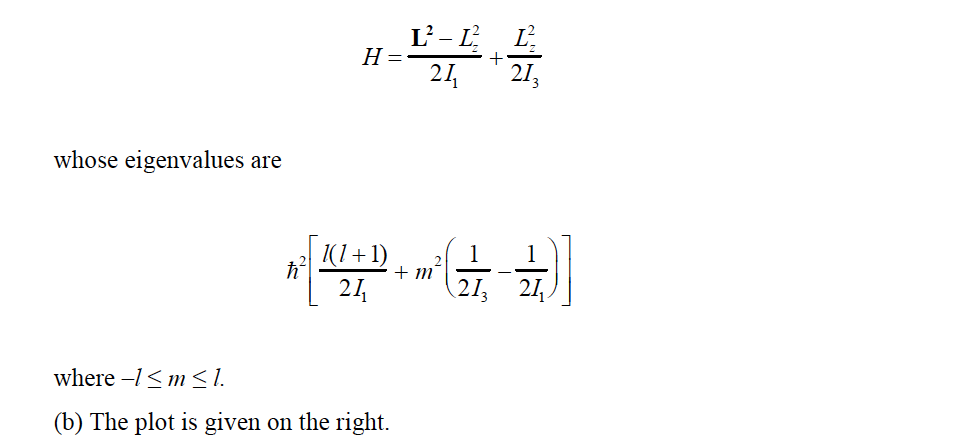
1. Prove that .
2. Prove that .
3. Prove that and is the eigenstate of with eigenvalue .

第一式減第二式乘：

Text, letter

Description automatically generated





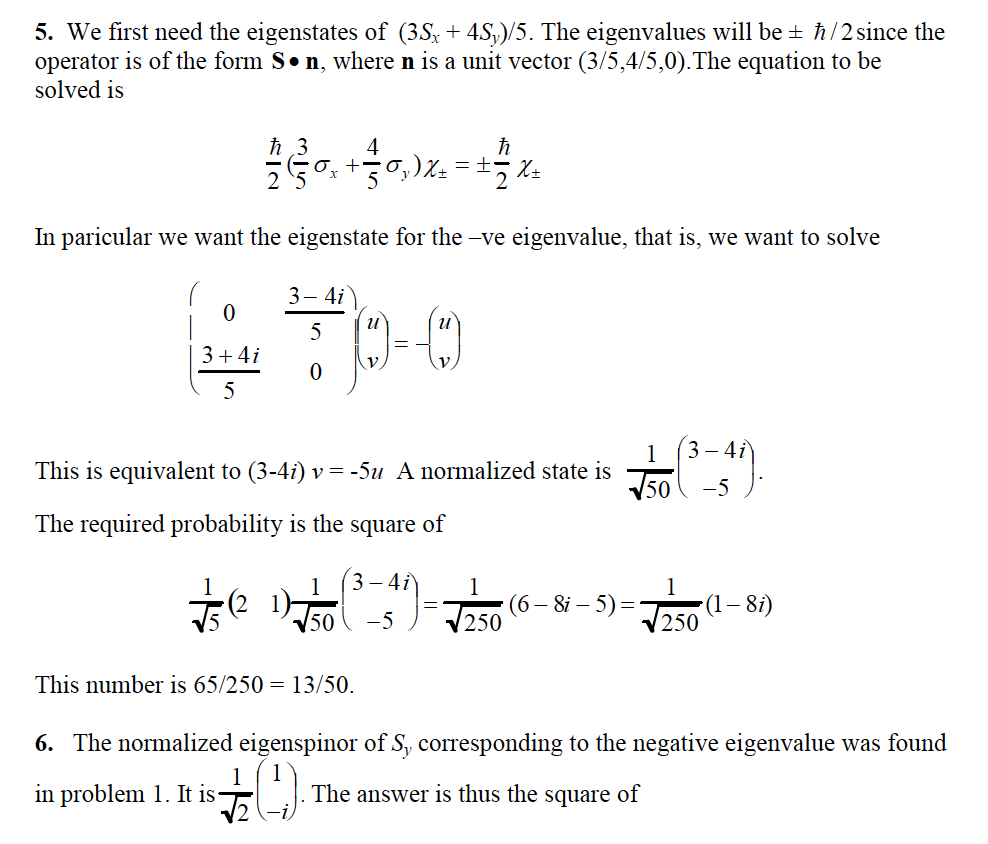
Text, letter

Description automatically generated

Text, letter

Description automatically generated

A picture containing text

Description automatically generatedText

Description automatically generated