

2.111 Problem Set 2

(due October 9th)

Read remainder of chapter 2

Exercises:

+ 2.27, 2.28, 2.29, 2.30, 2.32,

2.33, 2.37, 2.38, 2.47

2.51, 2.52, 2.53

+ Derive a formula for

$e^{-i\theta B} e^{-i\theta A} e^{i\theta B} e^{i\theta A}$ to

order θ^3 , where A and B
are Hermitian matrices.