

# MA511 HW37 Sol.

#6.2.2.

Sol. B and C are positive definite

A is not because  $(1, 1, 1)$  is in its nullspace

#6.2.10

Sol.

$$\lambda_1 = 1, \lambda_2 = 4$$

semiaxes go to  $(\pm 1, 0)$  and  $(0, \pm \frac{1}{2})$