

Short Quiz - 2
EE-407 Sec 1
Set A

Name: _____

ID No: _____

Q1 A load impedance of $130+j90 \Omega$ terminates a 50Ω loss-less transmission line that is 0.3λ long. Without using the smith chart, find

- (i) the reflection coefficient at the load,
- (ii) the reflection coefficient at the input-end
- (iii) the impedance seen at the input to the line
- (iv) the voltage standing wave ratio
- (v) How do I match the transmission line with load.