



<i>Name:</i>		
<i>Student ID:</i>	Section: 1	Quiz: 1

For the shown SCR circuit:

Assume the supply is 120 V rms, $I_{GT} = 20$ mA, and $R_1 = 3$ k Ω .

- Design the circuit to have a firing angle of 45° .
- What is the minimum and maximum firing angle that could be achieved by varying R_2 ?

