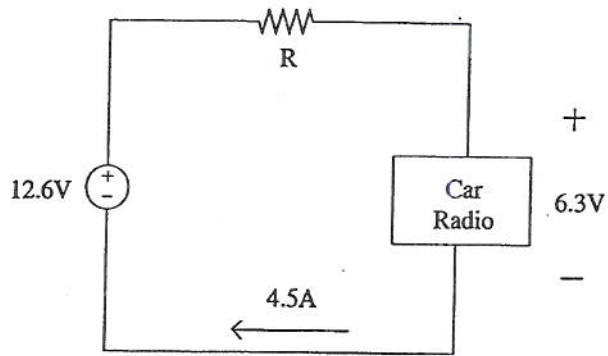


7. A car radio designed to operate from 6.3 volts draws 4.5A of current. What should the value of resistor "R" be if the radio is to be used in a 12.6 volt car? What should the power rating of the resistor be?



Ans: $R = 1.4\Omega$
 $P = 28.35W$