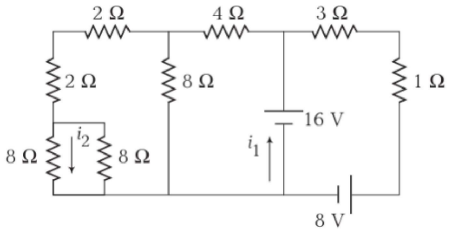
2) Start from infinity and terminate at the charge
3) Form closed loops around the charge
4) Are parallel to each other and uniformly spaced

Question 178: A proton moving with a constant velocity passes through a region of space without any change in its velocity. If E and B represent the electric and magnetic fields respectively, then this region of space may not have:
1) $E = 0, B = 0$
2) $E = 0, B \neq 0$
3) $E \neq 0, B = 0$
4) $E \neq 0, B \neq 0$

Question 179: In the circuit shown in figure, the ratio of currents i_1/i_2 is:



1) 2
2) 8
3) 0.5
4) 4

Question 180: Three identical charges of magnitude 1 nC are present on the vertices of an equilateral triangle of length 1 cm. What is the work done in moving one of the charges from its vertex point to the midpoint of the other two charges?
1) 900 nJ
2) 1800 nJ
3) 3003 nJ
4) 9003 nJ