Phys 201 - Term 061 Quiz # 1

Name:	_ ID # :
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1. A uniform magnetic field \vec{B} is perpendicular to the plane of a circular loop of diameter of 10 cm. At what rate must the magnetic field be changed to induce a voltage of 3 V in the loop?

2. The current in an RL circuit drops from 1 A to 10 mA in the first second following removal of the battery from the circuit. If L=10H, find the resistance Ω in the circuit.