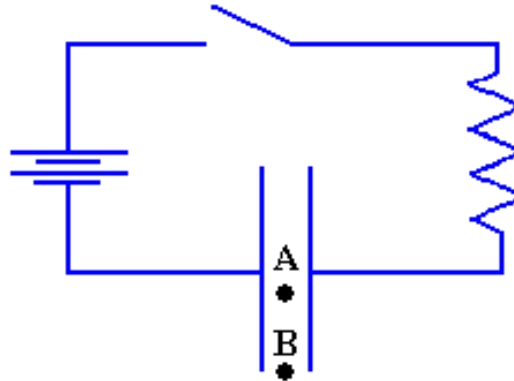At time t=0 the switch in the circuit shown below is closed. Points A and B lie inside the capacitor; **A is at the center** and B is toward the outer edge.

Compare the magnitudes of the magnetic fields at points A and B just after the switch is closed

A. $B_A < B_B$
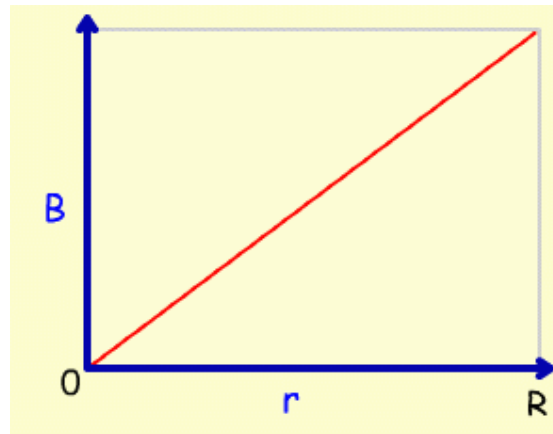
B. $B_A = B_B$

C. $B_A > B_B$

From the calculation we just did:

$$B = \frac{\mu_0 I_1}{2\pi} \frac{r}{R^2}$$

Displacement Current: Question 3 (N = 789)