

- 19** Thermometers M_1 and M_2 are placed inside an evacuated enclosure with walls maintained at temperature T . The thermometers are identical except that the bulb of M_1 is blackened.

Which of the following equations is true if T_1 and T_2 are the temperatures indicated by M_1 and M_2 respectively after thermal equilibrium has been established?

- A** $T_1 > T_2 > T$ **B** $T_1 = T_2 = T$ **C** $T_2 > T_1 = T$ **D** $T_1 > T_2 = T$