Magnetic field intensity vector in a bar magnet. Assuming that the magnetic flux density vector $\mathbf{B}$ inside the bar magnet from Questions 5.1 and 5.2 is known, the associated magnetic field intensity vector (in the magnet) equals

(A) $\mathbf{H} = \mathbf{B}/\mu_0$.
(B) $\mathbf{H} = -\mathbf{B}/\mu_0$.
(C) $\mathbf{H} = \mu_0\mathbf{B}$.
(D) $\mathbf{H} \to \infty$.
(E) $\mathbf{H} = 0$.

Solution: (E)
Answer: (E)