Magnetic flux through cylinder bases. Consider a vertical cylinder in a steady magnetic field in free space. If Φ_1 denotes the magnetic flux through the lower basis of the cylinder and Φ_2 that through the upper basis with both surfaces oriented in the same way (upwards), we have that

(A) $\Phi_1 = \Phi_2$.
(B) $\Phi_1 \neq \Phi_2$.
(C) need more information.

Solution: (C)
Answer: (C)