$B = .30 T$

$r = 25 cm = .25m$

$A = \pi \cdot r^2$

$= \pi \cdot (.25m)^2$

$A = .196 m^2$

$\phi_m = B \cdot A$

$= (.30 T)(.196 m^2)$

$\boxed{\phi_m = .059 \ T \cdot m^2}$