

EE 340(04) Quiz 4

Name:

I.D. Number:

Consider the following magnetic vector potential, which exists in free space:

$$\vec{A} = 6xyz\vec{a}_x - 3y^2z\vec{a}_y \quad [Wb / m]$$

Calculate the resulting magnetic flux ψ_m through the rectangular area (S) shown below. The area lies entirely in the $y - z$ plane.

