15-10 Two infinitely long coaxial cylindrical surfaces have the z axis as their common axis. The inner surface of radius a carries a surface current $\mathbf{K}_1 = K_1\hat{\boldsymbol{\varphi}}$, and the outer surface of radius b carries a surface current $\mathbf{K}_2 = K_2\hat{\boldsymbol{\varphi}}$. Both K_1 and K_2 are constant. Find $\mathbf{B}$ everywhere.