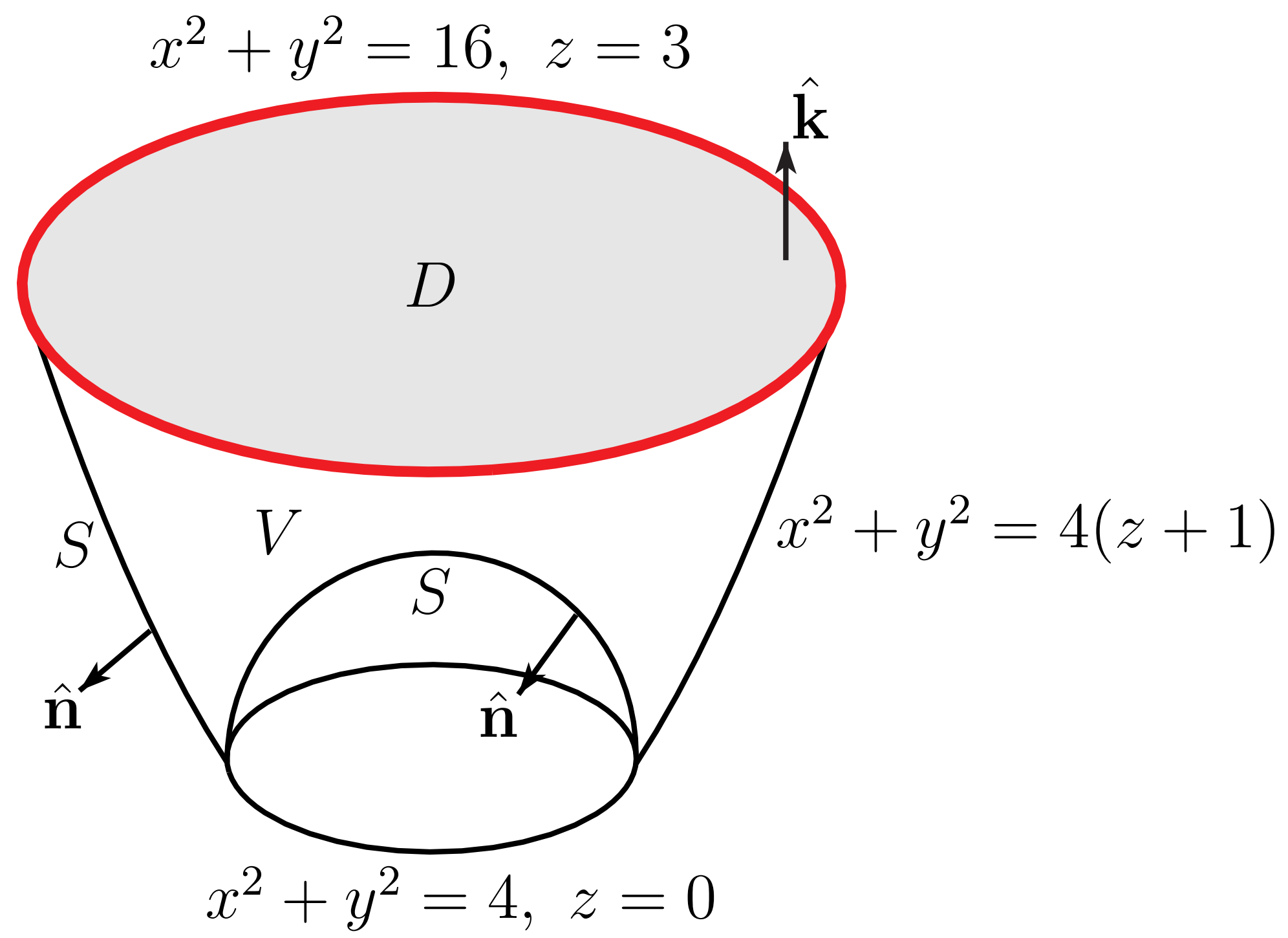
$x^2 + y^2 = 16,\ z = 3$
$\hat{\mathbf{k}}$
$D$
$S$
$V$
$S$
$x^2 + y^2 = 4(z + 1)$
$\hat{\mathbf{n}}$
$\hat{\mathbf{n}}$
$x^2 + y^2 = 4,\ z = 0$