

Phy 306: Problem Set 5
(Due: March 20, 2008)

- 1) Work problem III-2 of Schey.
- 2) Work problem III-3, parts a, b, c only, of Schey.
- 3) Work problem III-4, in part c, work parts b and c of III-3 only, of Schey.
- 4) Work problem III-5 of Schey.
- 5) Work problem III-12 of Schey.
- 6) Work problem c of Section 7.6 of Snieder. What is $\nabla \times \mathbf{v}$ for $\mathbf{v} = v(r)\hat{\phi}$?