

## 1.2 addendum

Write the result for  $\delta(\vec{x} - \vec{x}')$  in spherical coordinates.

What do you get in the special cases

(a)  $\vec{x}'$  is on the polar axis ( $\theta' = 0$ )?

(b)  $\vec{x}' = 0$ . ( $\vec{x}'$  is at the origin.)?