1. Reverse the order of integration in the following expression:

$$\int_{-4}^{0}\int_{0}^{8+2x} Q\,dy\,dx + \int_{0}^{4}\int_{0}^{8-2x} Q\,dy\,dx$$

   where Q is an unknown function of x and y.
   Do not evaluate the integral (yet).

2. Choose a function Q. Evaluate both the original expression and your reversed version. Do you get the same answer?
   If both integrals are too hard, start over. If one integral is doable, but the other is not, say so — and consider starting over but turning in both examples.