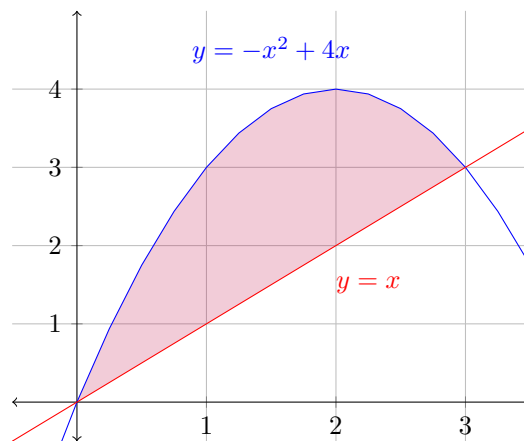Please show **all** your work! Answers without supporting work will not be given credit.
Write answers in spaces provided.

Name:_____

1. **[5 pts]** Set up the integral that computes the area shown below with respect to x.

   DON'T COMPUTE IT!!!

$$\text{Area} \ = \ \rule{6cm}{0.4pt}$$

2. **[5 pts]** Set up the integral that computes the area of the region bounded by

$$y = \sin(x), \quad y = \cos(x), \quad x = -\pi/4 \quad \text{and} \quad x = \pi/4$$

   with respect to x.

   DON'T COMPUTE IT!!!

$$\text{Area} \ = \ \rule{6cm}{0.4pt}$$