

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

Name: _____

1. [5 pts] Compute the area of the triangular region bounded by the y -axis and the lines $y = -x$ and $y = -8x + 7$. (**EXACT VALUE ONLY!**)

(You must draw a graph with the lines corresponding to the problem for 2 pts.)

Answer: _____

2. [5 pts] Find the area of the region bounded by $y = \sin(x)$, $y = \cos(x)$, $x = -\pi/4$ and $x = \pi/4$. (**EXACT VALUE ONLY!**)

(You must draw a graph with the lines corresponding to the problem for 2 pts.)

Answer: _____