

ESP Quiz 7 (Kouba)

Please PRINT your name here : _____

This quiz is due next Tuesday at the beginning of ESP.

1.) (10 pts. each) Compute the area of the following regions R.

a.) Region R is bounded by the graphs of $y = \cos 2x$, $y = 0$, $x = 0$, and $x = \pi/4$.

b.) Region R is bounded by the graphs of $y = x + 3$ and $y = x^2 - 3$.

2.) (10 pts. each) SET UP BUT DO NOT EVALUATE integrals for the area of the region bounded by the graphs of $y = x$, $y = 3x$, and $x = 2$ using

a.) vertical cross-sections.

b.) horizontal cross-sections.