

King Fahd University of Petroleum and Minerals
Department of Mathematical Sciences
Math 102.10 Quiz III Fall (051)

ID #: _____ NAME: _____

Serial # _____ Section #: _____

1. Find the area bounded by the curves $y^2 = 4 + x$ and $x + 2y = 4$.

2. Find the volume generated when the area under one loop of the curve $y = \sin x$ between $x = 0$ and $x = \pi$ is rotated about the x -axis.