

Math 1303 - Homework 19

Note Title

4/13/2009

① Find $\int_{-1}^1 1-x^2 dx$. What does this answer represent?

② Find the area bounded by the curve $y = x^2 + 2x + 2$, the x -axis, and the lines $x = -2$ and $x = 1$

③ Find the area between $y = e^x$ and the x -axis between $x = 1$ and $x = 2$

④ Find area between $y = \frac{1}{x}$ and the x -axis
between $x=1$ and $x=e$

⑤ Find area enclosed by $y = 4 - x^2$ and x -axis.

⑥ Find area enclosed by $y = x^2 - 4x$ and x -axis.