King Fahd University for Petroleum and Minerals Department of Mathematics & Statistics

Term 171 Math 102 (7)

Quiz#2 (5.5 + Ch6)

Family Name: S.r#

Q1. Set up (do not evaluate) an integral for the area of the region enclosed by $x = y^2 + 2y$, and x + y = 0.

Q2. Find $\int_{2}^{4} \frac{dx}{x \log_{2} x}$

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Term 171 Math 102 (11) Quiz#2 (5.5 + Ch6) Family Name: S.r#

Q1. <u>Set up</u> (do not evaluate) an integral for the volume of the solid whose base is bounded by $y = \ln x$, y = 1, and x = 4 and its cross sections perpendicular to the y - axis are semicircles.

