Math 102 - 7   Quiz # 3 A   Sem 062
Name:_____ I.D.#:_____Serial #:_____

Q1 Find the area between the curves $y = x^2$ and $y = 2 - x^2$ from $x = 0$ to $x = 2$.
Q2 By using the fact that $\ln x = \int_1^x \frac{1}{t}\,dt$, prove The Theorem $\ln xy = \ln x + \ln y$
Q3 Find the area between the curves $x = y^2$ and $x = y + 6$.

Math 102 - 7   Quiz # 3 B   Sem 062
Name:_____ I.D.#:_____Serial #:_____

Q1 Find the area between the curves $x = y^2$ and $x = 2 - y^2$ from $y = 0$ to $y = 2$.
Q2 By using the fact that $\ln x = \int_1^x \frac{1}{t}\,dt$, prove The Theorem $\ln xy = \ln x + \ln y$
Q3 Find the area between the curves $y = x^2$ and $y = x + 6$.

Math 102 - 16   Quiz # 3 A   Sem 062
Name:_____ I.D.#:_____Serial #:_____

Q1 Find the area between the curves $y = x^2 + 1$ and $y = 3 - x^2$ from $x = 0$ to $x = 2$.
Q2 Prove The Theorem $\lim_{x \to 0} 1 + x^{\frac{1}{x}}$
Q3 Find the area between the curves $x = y^2 + 1$ and $x = y + 1$.

Math 102 - 16   Quiz # 3 B   Sem 062
Name:_____ I.D.#:_____Serial #:_____

Q1 Find the area between the curves $x = y^2 + 1$ and $x = 3 - y^2$ from $y = 0$ to $y = 2$.
Q2 Prove The Theorem $\lim_{x \to 0} 1 + x^{\frac{1}{x}}$
Q3 Find the area between the curves $y = x^2 + 1$ and $y = x + 1$.

Math 102 - 19   Quiz # 3 A   Sem 062
Name:_____ I.D.#:_____Serial #:_____

Q1 Find the area between the curves $y = x^2$ and $y = x + 2$ from $x = 0$ to $x = 3$.
Q2 Prove The Theorem $\lim_{x \to 0} 1 + x^{\frac{1}{x}}$
Q3 Find the area between the curves $x = y^2 + 1$ and $x = y^2 + 1$.

Math 102 - 19   Quiz # 3 B   Sem 062
Name:_____ I.D.#:_____Serial #:_____

Q1 Find the area between the curves $x = y^2$ and $x = y + 2$ from $y = 0$ to $y = 3$.
Q2 By using the fact that $\ln x = \int_1^x \frac{1}{t}\,dt$, prove The Theorem $\ln xy = \ln x + \ln y$
Q3 Find the area between the curves $y = x^2 + 1$ and $y = x^2 + 1$.