

The meaning of symbols x and y is not clear. Please explicitly define them using a complete sentence. For example, you can say, "Let x be a number."

MATH 1200 - PRACTICE ASSIGNMENT

YOUR NAME

Solution for Question 1. Suppose $x < y$ and $x + y = 1$. Then, $x = 1 - y$ and $y = 1 - x$.

Please clearly indicate the meaning of the symbol "LS" and the purpose of this computation. The same goes for "RS"

$$\begin{aligned}LS &= x^2 + y \\&= (1 - y)^2 + y \\&= 1 - 2y + y^2 + y \\&= 1 - y + y^2 \\RS &= y^2 + x \\&= y^2 + (1 - y) \\&= 1 - y + y^2 \\&= LS\end{aligned}$$

How does " $LS = RS$ " relate to the quantities in question? Please explicitly state this.

Since $LS = RS$, squaring the larger and adding the smaller is the same as squaring the smaller and adding the larger.

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