

Incorrect. The acute angles are complementary, so $m\angle K = 45^\circ$. This is a $45^\circ - 45^\circ - 90^\circ$ triangle. One way to find the length of \overline{JL} is to use the fact that the length of the hypotenuse is $\sqrt{2}$ times the length of the leg. Also, in a $45^\circ - 45^\circ - 90^\circ$ triangle, the length of the two legs are equal.