Using Pythagoras' theorem to find a shorter side

Question	x 10 6	x 13 8	$\frac{8}{5}$ x	9 13 x	x 2.5 7	x 9.2
Pythagoras' theorem	$10^2 = 6^2 + x^2$	$13^2 = 8^2 + x^2$	$8^2 = 5^2 + x^2$	$13^2 = 9^2 + x^2$		
Calculate	$100 = 36 + x^2$	$169 = 64 + x^2$	$64 = 25 + x^2$	$= x^2$		
Re-arrange	$x^2 = 100 - 36$	$x^2 = 169 - 64$	$x^2 = 64 - 25$	$x^2 =$		
Sum	$x^2 = 64$	$x^2 = 105$	$x^2 =$	$x^2 =$		
Square root	$x = \sqrt{64}$	<i>x</i> =	<i>x</i> =	<i>x</i> =		
Solve	x =	x =	x =	x =		

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Square root	$x = \sqrt{64}$	x =	x =	x =		
Solve	x =	x =	x =	x =		