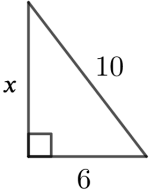
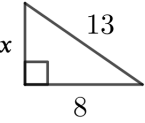
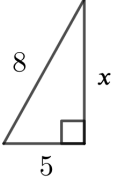
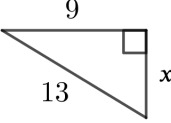
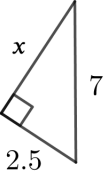
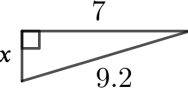
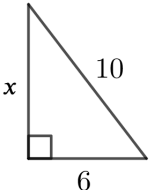
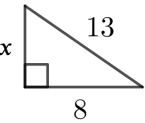
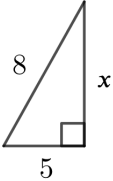
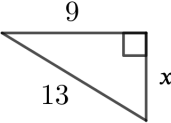
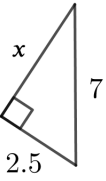
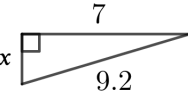


Using Pythagoras' theorem to find a shorter side

Question						
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	$x = \sqrt{64}$	$x =$	$x =$	$x =$		
Solve	$x =$	$x =$	$x =$	$x =$		

Using Pythagoras' theorem to find a shorter side

Question						
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	$x = \sqrt{64}$	$x =$	$x =$	$x =$		
Solve	$x =$	$x =$	$x =$	$x =$		