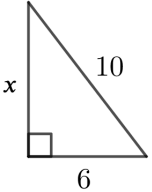
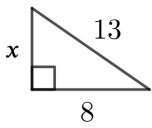
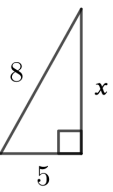
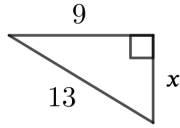
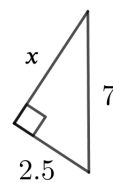
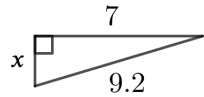
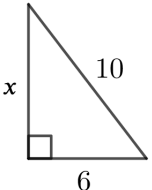
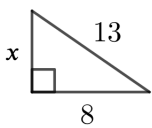
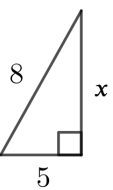
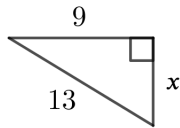
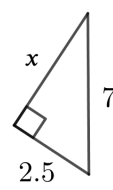
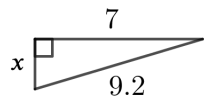


Using Pythagoras' theorem to find a shorter side

Question						
Pythagoras' theorem	$10^2 = 6^2 + x^2$	$13^2 = 8^2 + x^2$	$8^2 = 5^2 + x^2$	$13^2 = 9^2 + x^2$	$7^2 = 2.5^2 + x^2$	$9.2^2 = 7^2 + x^2$
Calculate	$100 = 36 + x^2$	$169 = 64 + x^2$	$64 = 25 + x^2$	$169 = 81 + x^2$	$49 = 6.25 + x^2$	$84.64 = 49 + x^2$
Re-arrange	$x^2 = 100 - 36$	$x^2 = 169 - 64$	$x^2 = 64 - 25$	$x^2 = 169 - 81$	$x^2 = 49 - 6.25$	$x^2 = 84.64 - 49$
Sum	$x^2 = 64$	$x^2 = 105$	$x^2 = 39$	$x^2 = 88$	$x^2 = 42.75$	$x^2 = 35.64$
Square root	$x = \sqrt{64}$	$x = \sqrt{105}$	$x = \sqrt{39}$	$x = \sqrt{88}$	$x = \sqrt{42.75}$	$x = \sqrt{35.64}$
Solve	$x = 8$	$x = 10.2$	$x = 6.2$	$x = 9.4$	$x = 6.5$	$x = 6.0$

Using Pythagoras' theorem to find a shorter side

Question						
Pythagoras' theorem	$10^2 = 6^2 + x^2$	$13^2 = 8^2 + x^2$	$8^2 = 5^2 + x^2$	$13^2 = 9^2 + x^2$	$7^2 = 2.5^2 + x^2$	$9.2^2 = 7^2 + x^2$
Calculate	$100 = 36 + x^2$	$169 = 64 + x^2$	$64 = 25 + x^2$	$169 = 81 + x^2$	$49 = 6.25 + x^2$	$84.64 = 49 + x^2$
Re-arrange	$x^2 = 100 - 36$	$x^2 = 169 - 64$	$x^2 = 64 - 25$	$x^2 = 169 - 81$	$x^2 = 49 - 6.25$	$x^2 = 84.64 - 49$
Sum	$x^2 = 64$	$x^2 = 105$	$x^2 = 39$	$x^2 = 88$	$x^2 = 42.75$	$x^2 = 35.64$
Square root	$x = \sqrt{64}$	$x = \sqrt{105}$	$x = \sqrt{39}$	$x = \sqrt{88}$	$x = \sqrt{42.75}$	$x = \sqrt{35.64}$
Solve	$x = 8$	$x = 10.2$	$x = 6.2$	$x = 9.4$	$x = 6.5$	$x = 6.0$