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Using Pythagoras' theorem to find the hypotenuse

Question	4 x 3	$6 \frac{x}{9}$	x 10		11 x 3	9.2 $2.3 \qquad x$
Pythagoras' theorem	$x^2 = 3^2 + 4^2$	$x^2 = 6^2 + 9^2$	$x^2 = 5^2 + 10^2$	$x^2 = 8^2 + 4^2$	$x^2 = 3^2 + 11^2$	$x^2 = 2.3^2 + 9.2^2$
Calculate	$x^2 = 9 + 16$	$x^2 = 36 + 81$	$x^2 = 25 + 100$	$x^2 = 64 + 16$	$x^2 = 9 + 121$	$x^2 = 5.29 + 84.64$
Sum	$x^2 = 25$	$x^2 = 117$	$x^2 = 125$	$x^2 = 80$	$x^2 = 130$	$x^2 = 89.93$
Square root	$x = \sqrt{25}$	$x = \sqrt{117}$	$x = \sqrt{125}$	$x = \sqrt{80}$	$x = \sqrt{130}$	$x = \sqrt{89.93}$
Solve	x = 5	x = 10.8	x = 11.2	x = 8.9	x = 9.5	x = 9.5

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Question	4	$6 \boxed{\begin{array}{c} x \\ 9 \end{array}}$	$\begin{array}{c} x \\ 10 \\ 5 \\ 5 \end{array}$		11 x 3	9.2 $2.3 \qquad x$
Pythagoras' theorem	$x^2 = 3^2 + 4^2$	$x^2 = 6^2 + 9^2$	$x^2 = 5^2 + 10^2$	$x^2 = 8^2 + 4^2$	$x^2 = 3^2 + 11^2$	$x^2 = 2.3^2 + 9.2^2$
Calculate	$x^2 = 9 + 16$	$x^2 = 36 + 81$	$x^2 = 25 + 100$	$x^2 = 64 + 16$	$x^2 = 9 + 121$	$x^2 = 5.29 + 84.64$
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