



Math worksheet on 'Pythagorean Theorem - Length of Side - Labelled Sides (Equation) (Level 1)'. Part of a broader unit on 'Pythagoras - Intro'

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1 Find the length of the missing side as an equation based on the Pythagorean theorem:
 $a^2 + b^2 = c^2$

a $4^2 - 11^2$	b $4^2 + 11^2$
c $\sqrt{4^3 + 11^3}$	d $\sqrt{11^2 - 4^2}$

2 Find the length of the missing side as an equation based on the Pythagorean theorem:
 $a^2 + b^2 = c^2$
 $a = 4$

a $4^2 - 11^2$	b $4^2 + 11^2$
c $\sqrt{11^2 - 4^2}$	

3 Find the length of the missing side as an equation based on the Pythagorean theorem:
 $a^2 + b^2 = c^2$
 $a = 5$

a $\sqrt{5^3 + 8^3}$	b $\sqrt{8^2 - 5^2}$
c $\sqrt{5^2 - 8^2}$	d $\sqrt{8^2 + 5^2}$

4 Find the length of the missing side as an equation based on the Pythagorean theorem:
 $a^2 + b^2 = c^2$
 $a = 7$

a $\sqrt{10^2 - 7^2}$	b $7^2 + 10^2$
c $\sqrt{7^3 + 10^3}$	d $7^2 - 10^2$

5 Find the length of the missing side as an equation based on the Pythagorean theorem:
 $a^2 + b^2 = c^2$
 $a = 7$

a $7^2 + 9^2$	b $\sqrt{7^3 + 9^3}$
c $7^2 - 9^2$	d $\sqrt{9^2 - 7^2}$

6 Find the length of the missing side as an equation based on the Pythagorean theorem:
 $a^2 + b^2 = c^2$

a $4^2 - 9^2$	b $\sqrt{9^2 - 4^2}$
c $\sqrt{4^3 + 9^3}$	d $4^2 + 9^2$

7 Find the length of the missing side as an equation based on the Pythagorean theorem:
 $a^2 + b^2 = c^2$

a $2^2 + 10^2$	b $2^2 - 10^2$
c $\sqrt{10^2 - 2^2}$	d $\sqrt{10^2 + 2^2}$