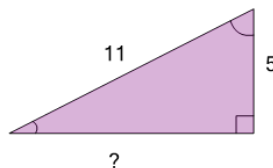




Math worksheet on 'Pythagorean Theorem - Length of Side (Equation) (Level 1)'. Part of a broader unit on 'Pythagoras - Practice'

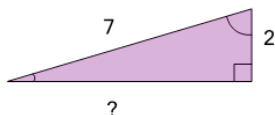
Learn online: [app.mobius.academy/math/units/pythagoras\\_practice/](http://app.mobius.academy/math/units/pythagoras_practice/)

**1** Find the length of the missing side as an equation based on the Pythagorean theorem



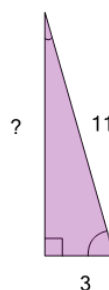
<b>a</b> $\sqrt{5^2 + 11^2}$	<b>b</b> $5^2 - 11^2$
<b>c</b> $5^2 + 11^2$	<b>d</b> $\sqrt{11^2 - 5^2}$

**2** Find the length of the missing side as an equation based on the Pythagorean theorem



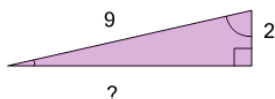
<b>a</b> $\sqrt{7^2 + 2^2}$	<b>b</b> $2^2 - 7^2$
<b>c</b> $\sqrt{7^2 - 2^2}$	<b>d</b> $2^2 + 7^2$

**3** Find the length of the missing side as an equation based on the Pythagorean theorem



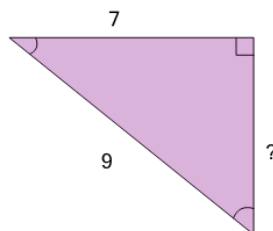
<b>a</b> $\sqrt{3^2 + 11^2}$	<b>b</b> $\sqrt{11^2 - 3^2}$
<b>c</b> $3^2 - 11^2$	<b>d</b> $3^2 + 11^2$

**4** Find the length of the missing side as an equation based on the Pythagorean theorem



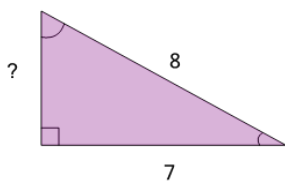
<b>a</b> $\sqrt{2^2 - 9^2}$	<b>b</b> $2^2 - 9^2$	<b>c</b> $\sqrt{9^2 - 2^2}$
<b>d</b> $2^2 + 9^2$		

**5** Find the length of the missing side as an equation based on the Pythagorean theorem



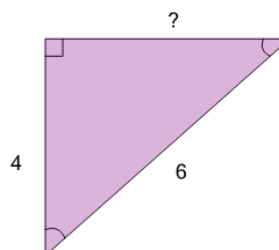
<b>a</b> $\sqrt{9^2 - 7^2}$	<b>b</b> $7^2 + 9^2$
<b>c</b> $\sqrt{7^2 + 9^2}$	<b>d</b> $7^2 - 9^2$

**6** Find the length of the missing side as an equation based on the Pythagorean theorem



<b>a</b> $\sqrt{7^3 + 8^3}$	<b>b</b> $\sqrt{8^2 - 7^2}$
<b>c</b> $\sqrt{7^2 - 8^2}$	<b>d</b> $7^2 + 8^2$
<b>e</b> $7^2 - 8^2$	

**7** Find the length of the missing side as an equation based on the Pythagorean theorem



<b>a</b> $4^2 + 6^2$	<b>b</b> $\sqrt{6^2 - 4^2}$
<b>c</b> $\sqrt{6^2 + 4^2}$	<b>d</b> $4^2 - 6^2$