



## Pythagorean Theorem - Either Missing Length - Labelled Sides (Equation)

<p><b>1</b> Find the length of the missing side as an equation based on the Pythagorean theorem: <math>a^2 + b^2 = c^2</math></p> <p>a = 4 b = 2 c = ?</p>	<p>A <math>c = \sqrt{4^2 + 2^2}</math></p>	<p>B <math>c = 4^2 - 2^2</math></p>	<p><b>2</b> Find the length of the missing side as an equation based on the Pythagorean theorem: <math>a^2 + b^2 = c^2</math></p> <p>a = 7 c = ?</p>	<p>A <math>c = 7^2 - 3^2</math></p>	<p>B <math>c = \sqrt{7^2 + 3^2}</math></p>
<p>C <math>c = 4^2 + 2^2</math></p>			<p>C <math>c = 7^2 + 3^2</math></p>		
<p><b>3</b> Find the length of the missing side as an equation based on the Pythagorean theorem: <math>a^2 + b^2 = c^2</math></p> <p>b = 7 a = 5 c = ?</p>	<p>A <math>c = \sqrt{5^2 + 7^2}</math></p>	<p>B <math>c = 5^2 + 7^2</math></p>	<p><b>4</b> Find the length of the missing side as an equation based on the Pythagorean theorem: <math>a^2 + b^2 = c^2</math></p> <p>c = 8 b = ?</p>	<p>A <math>b = \sqrt{8^2 - 3^2}</math></p>	<p>B <math>b = 3^2 - 8^2</math></p>
<p>C <math>c = 5^2 - 7^2</math></p>	<p>D <math>c = \sqrt{7^2 - 5^2}</math></p>		<p>C <math>b = \sqrt{3^2 + 8^2}</math></p>		
<p><b>5</b> Find the length of the missing side as an equation based on the Pythagorean theorem: <math>a^2 + b^2 = c^2</math></p> <p>a = 6 c = 7</p>	<p>A <math>b = \sqrt{7^2 - 6^2}</math></p>	<p>B <math>b = \sqrt{6^2 - 7^2}</math></p>	<p><b>6</b> Find the length of the missing side as an equation based on the Pythagorean theorem: <math>a^2 + b^2 = c^2</math></p> <p>a = 6 c = ?</p>	<p>A <math>c = \sqrt{6^2 + 5^2}</math></p>	<p>B <math>c = \sqrt{5^2 - 6^2}</math></p>
<p>C <math>b = 6^2 - 7^2</math></p>	<p>D <math>b = \sqrt{7^2 + 6^2}</math></p>		<p>C <math>c = 6^2 - 5^2</math></p>	<p>D <math>c = \sqrt{6^2 - 5^2}</math></p>	
<p><b>7</b> Find the length of the missing side as an equation based on the Pythagorean theorem: <math>a^2 + b^2 = c^2</math></p> <p>c = ? b = 4</p>	<p>A <math>c = 2^2 + 4^2</math></p>	<p>B <math>c = 2^2 - 4^2</math></p>	<p><b>8</b> Find the length of the missing side as an equation based on the Pythagorean theorem: <math>a^2 + b^2 = c^2</math></p> <p>c = 8 a = 7 b = ?</p>	<p>A <math>b = \sqrt{8^2 - 7^2}</math></p>	<p>B <math>b = 7^2 + 8^2</math></p>
<p>C <math>c = \sqrt{2^2 + 4^2}</math></p>	<p>D <math>c = \sqrt{4^2 - 2^2}</math></p>		<p>C <math>b = 7^2 - 8^2</math></p>		