

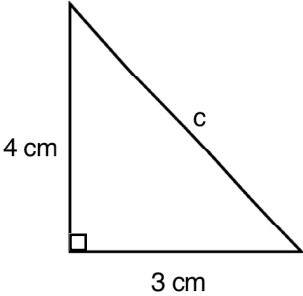
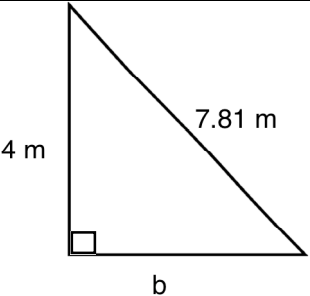
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## Pythagorean Theorem

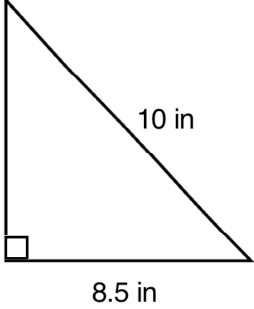
**Directions:** For #s 1 - 3, select the most accurate length of the missing side. Use the workspace for calculations. Explain your thinking in the space below your answer.

<p>1.</p>	 <p>A right-angled triangle with a vertical leg of 4 cm and a horizontal leg of 3 cm. The hypotenuse is labeled 'c'. A small square at the bottom-left vertex indicates a right angle.</p> <p>A) 5 cm B) 6 cm C) 7 cm D) 12 cm</p>	<p>Workspace</p>
<p>Explain your thinking:</p>		
<p>2.</p>	 <p>A right-angled triangle with a vertical leg of 4 m and a horizontal leg labeled 'b'. The hypotenuse is labeled 7.81 m. A small square at the bottom-left vertex indicates a right angle.</p> <p>A) 3.81 m B) 8.77 m C) 44.99 m D) 6.70 m</p>	<p>Workspace</p>
<p>Explain your thinking:</p>		



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<p>3.</p>	 <p>A) 13.12 in. B) 5.27 in. C) 8.50 in. D) 6.00 in.</p>	<p>Workspace</p>
<p>Explain your thinking:</p>		
<p>4.</p>	<p>Will side lengths of 8, 15, and 17 units make a right triangle? Explain your thinking.</p>	
<p>5.</p>	<p>Will side lengths of 4, 6, and 8 units make a right triangle? Explain your thinking.</p>	

