



## Pythagorean Equation from Variables - Length of Side (Decimal)

<b>1</b> Approximate the value of 'b' in this equation  $a^2 + b^2 = c^2$ $a = 6$ $b = ?$ $c = 9$	<b>A</b> b = 7.4	<b>B</b> b = 8.7	<b>2</b> Approximate the value of 'b' in this equation  $a^2 + b^2 = c^2$ $a = 4$ $b = ?$ $c = 6$	<b>A</b> b = 10	<b>B</b> b = 2.7
	<b>C</b> b = 2.7	<b>D</b> b = 6.7		<b>C</b> b = 5.7	<b>D</b> b = 4.5
	<b>E</b> b = 9.4	<b>F</b> b = 4.7		<b>E</b> b = 4.9	<b>F</b> b = 8.5
<b>3</b> Approximate the value of 'a' in this equation  $a^2 + b^2 = c^2$ $a = ?$ $b = 2$ $c = 9$	<b>A</b> a = 6.8	<b>B</b> a = 5.3	<b>4</b> Approximate the value of 'a' in this equation  $a^2 + b^2 = c^2$ $a = ?$ $b = 6$ $c = 9$	<b>A</b> a = 8.7	<b>B</b> a = 5.4
	<b>C</b> a = 4.4	<b>D</b> a = 11.8		<b>C</b> a = 8	<b>D</b> a = 6.7
	<b>E</b> a = 8.8	<b>F</b> a = 7.9		<b>E</b> a = 9.7	<b>F</b> a = 9.4
<b>5</b> Approximate the value of 'a' in this equation  $a^2 + b^2 = c^2$ $a = ?$ $b = 5$ $c = 9$	<b>A</b> a = 7.5	<b>B</b> a = 8.7	<b>6</b> Approximate the value of 'a' in this equation  $a^2 + b^2 = c^2$ $a = ?$ $b = 3$ $c = 8$	<b>A</b> a = 9.4	<b>B</b> a = 7.8
	<b>C</b> a = 6.5	<b>D</b> a = 8.5		<b>C</b> a = 11	<b>D</b> a = 5.9
	<b>E</b> a = 9.5	<b>F</b> a = 5.2		<b>E</b> a = 7.4	<b>F</b> a = 5.4
<b>7</b> Approximate the value of 'b' in this equation  $a^2 + b^2 = c^2$ $a = 3$ $b = ?$ $c = 4$	<b>A</b> b = 5.6	<b>B</b> b = 1.6	<b>8</b> Approximate the value of 'b' in this equation  $a^2 + b^2 = c^2$ $a = 3$ $b = ?$ $c = 8$	<b>A</b> b = 8.2	<b>B</b> b = 7.8
	<b>C</b> b = 3.4	<b>D</b> b = 2.4		<b>C</b> b = 24	<b>D</b> b = 11
	<b>E</b> b = 2.6	<b>F</b> b = 1		<b>E</b> b = 7.4	<b>F</b> b = 5.2