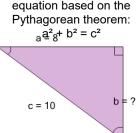


mobius

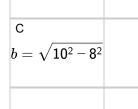
Pythagorean Theorem - Length of Side -**Labelled Sides (Equation)**

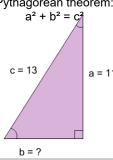


1	Find the length of the
ı	missing side as an
	equation based on the
	Pythagorean theorem:
	a_{a}^{2} a_{8}^{2} + b^{2} = c^{2}

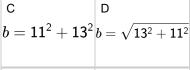


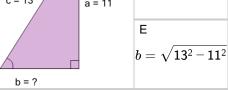
$$\begin{vmatrix} \mathsf{A} & \mathsf{B} \\ b = \mathsf{8}^2 + \mathsf{10}^2 \end{vmatrix}^{\mathsf{B}} b = \mathsf{8}^2 - \mathsf{10}^2 \end{vmatrix}$$

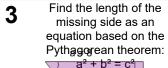


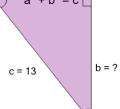


$$b = \sqrt{11^2 - 13^2} \, b = 11^2 - 13^2$$

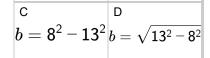


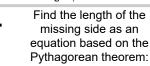


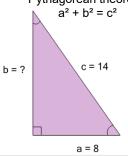




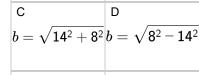
$$b = \sqrt{13^2 + 8^2} b = 8^2 + 13^2$$



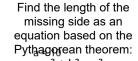




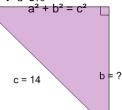
$$\begin{vmatrix} A \\ b = \sqrt{8^3 + 14^3} \end{vmatrix} b = \sqrt{14^2 - 8^2}$$



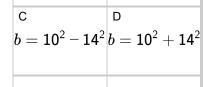
$$b = 8^2 - 14^2$$



5

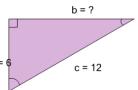


$$b = \sqrt{10^3 + 14^3}$$
 $b = \sqrt{14^2 - 10^2}$



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

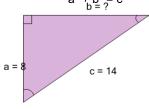
$$a^2 + b^2 = c^2$$



$$b = 6^2 - 12^2$$
 $b = 6^2 + 12^2$

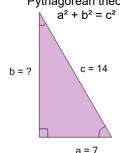
$$b = \sqrt{12^2 - 6^2}b = \sqrt{12^2 + 6^2}$$

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



$$b = \sqrt{8^3 + 14^3}b = 8^2 + 14^2$$

$$b = 8^2 - 14^2$$
 $b = \sqrt{14^2 - 8^2}$



$$\begin{vmatrix} A \\ b = \sqrt{14^2 - 7^2} \end{vmatrix} b = \sqrt{7^2 - 14^2}$$

$$egin{array}{c} \mathsf{c} \ b = \mathsf{7}^2 - \mathsf{14}^2 \ b = \mathsf{7}^2 + \mathsf{14}^2 \end{array}$$