

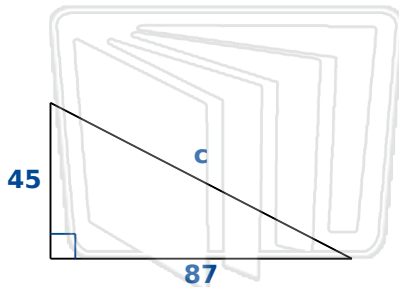


# Pythagorean Theorem Problems

Math

Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

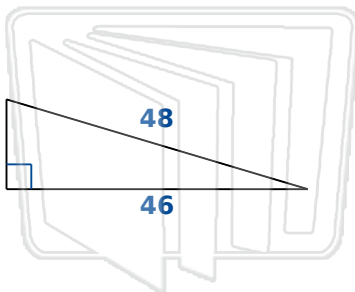
Find the length of the third side of each triangle



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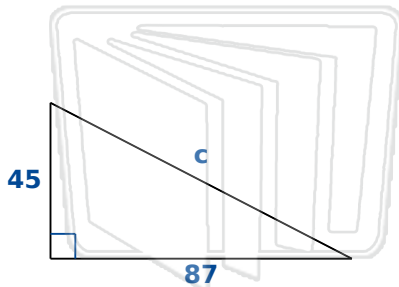


# Pythagorean Theorem Problems - Answer Key

Math

Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

Find the length of the third side of each triangle



$$45^2 + 87^2 = c^2$$

$$c^2 = 2025 + 7569$$

$$c^2 = 9594$$

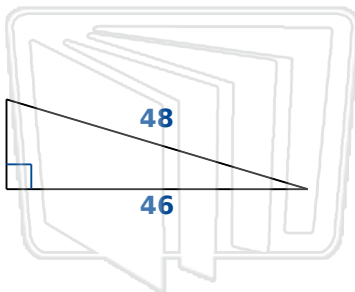
$$c = \sqrt{9594}$$

$$c \approx 97.95$$

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$$a^2 + 46^2 = 48^2$$

$$a^2 = 48^2 - 46^2$$

$$a^2 = 2304 - 2116$$

$$a^2 = 188$$

$$a = \sqrt{188}$$

$$a \approx 13.71$$

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