

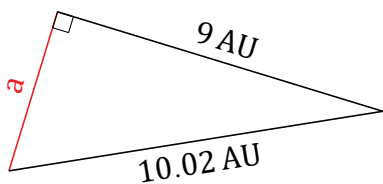
# Pythagorean Theorem (B)

Name: \_\_\_\_\_

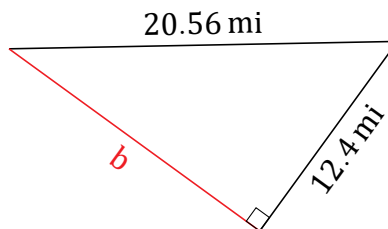
Date: \_\_\_\_\_

Calculate the missing side measurement using  $a^2 + b^2 = c^2$ .

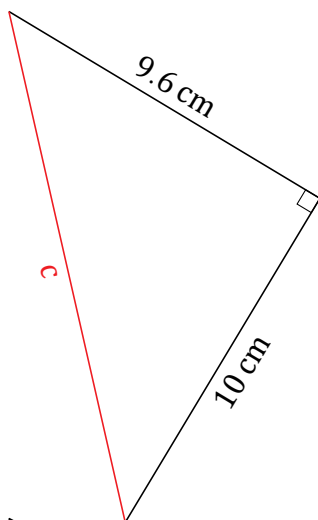
1.



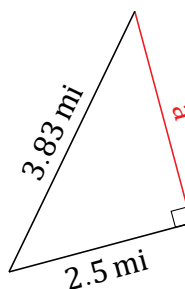
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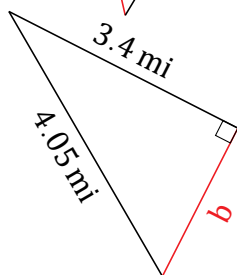
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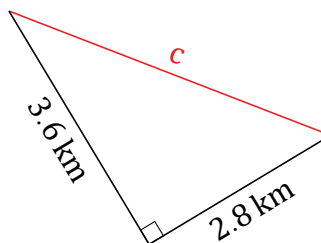
4.



5.



6.

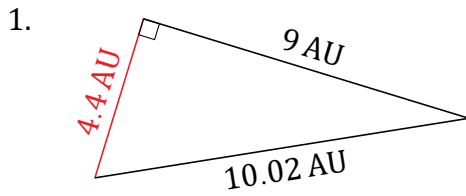


# Pythagorean Theorem (B) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

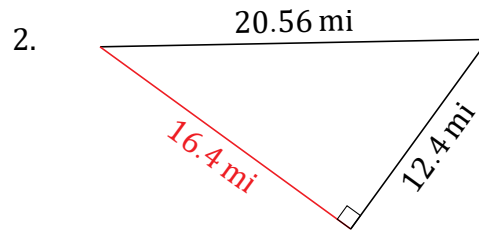
Calculate the missing side measurement using  $a^2 + b^2 = c^2$ .



$$a^2 + 9^2 = 10.02^2$$

$$a = \sqrt{100.4004 - 81}$$

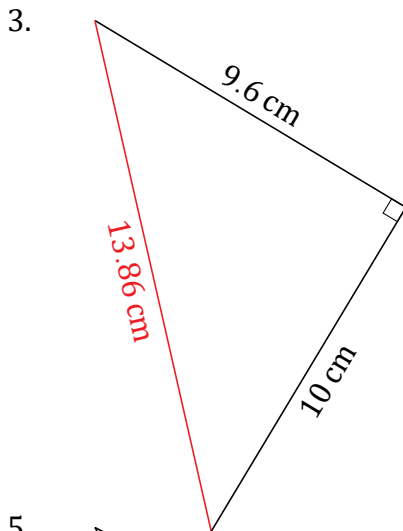
$$a = 4.4 \text{ AU}$$



$$12.4^2 + b^2 = 20.56^2$$

$$b = \sqrt{422.7136 - 153.76}$$

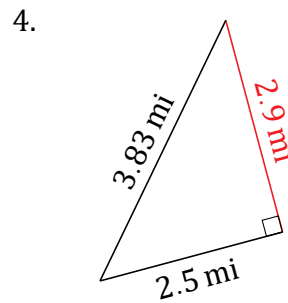
$$b = 16.4 \text{ mi}$$



$$9.6^2 + 10^2 = c^2$$

$$c = \sqrt{92.16 + 100}$$

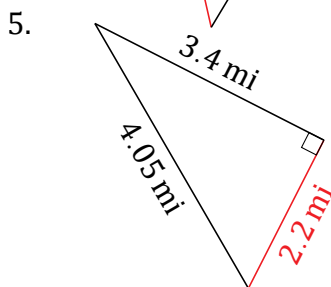
$$c = 13.86 \text{ cm}$$



$$a^2 + 2.5^2 = 3.83^2$$

$$a = \sqrt{14.6689 - 6.25}$$

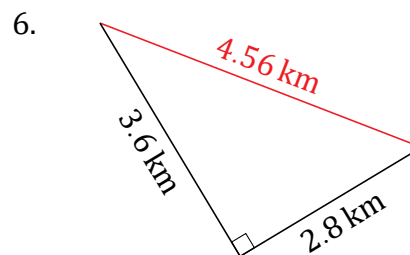
$$a = 2.9 \text{ mi}$$



$$3.4^2 + b^2 = 4.05^2$$

$$b = \sqrt{16.4025 - 11.56}$$

$$b = 2.2 \text{ mi}$$



$$2.8^2 + 3.6^2 = c^2$$

$$c = \sqrt{7.84 + 12.96}$$

$$c = 4.56 \text{ km}$$