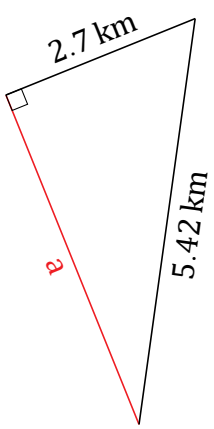
Pythagorean Theorem (G)

Name: _____ Date: _____

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

1.



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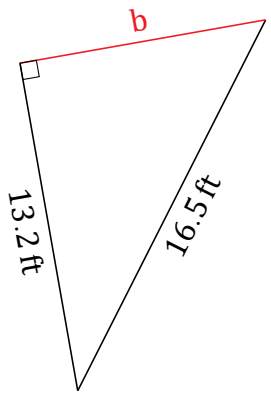

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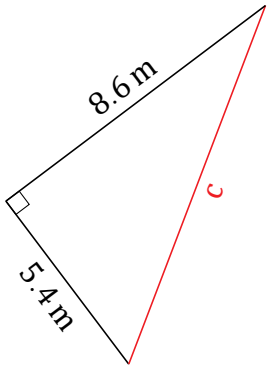

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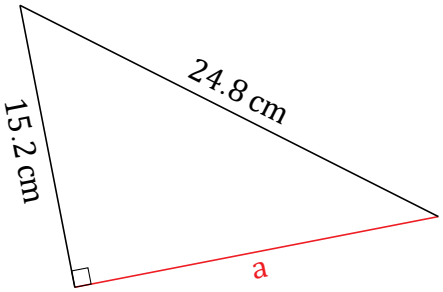

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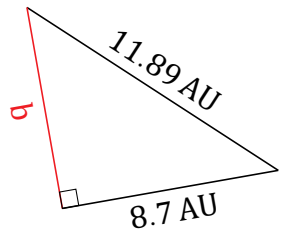

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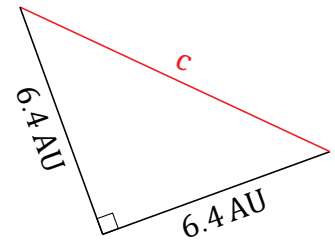
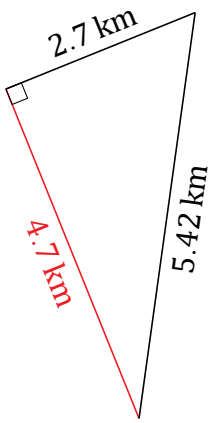


Pythagorean Theorem (G) Answers

Name: _____ Date: _____

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

1.

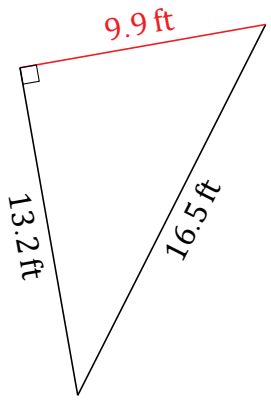


$a^2 + 2.7^2 = 5.42^2$

$a = \sqrt{29.3764 - 7.29}$

$a = 4.7$ km

2.

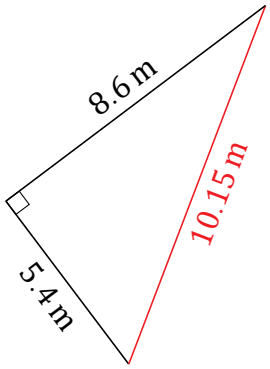


$13.2^2 + b^2 = 16.5^2$

$b = \sqrt{272.25 - 174.24}$

$b = 9.9$ ft

3.

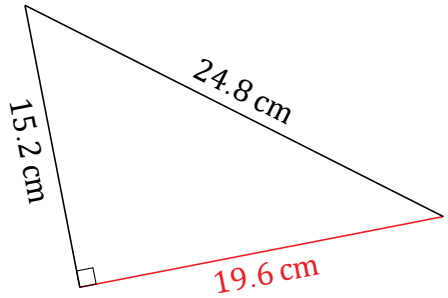


$5.4^2 + 8.6^2 = c^2$

$c = \sqrt{29.16 + 73.96}$

$c = 10.15$ m

4.

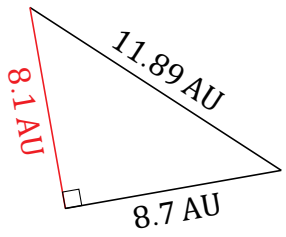


$a^2 + 15.2^2 = 24.8^2$

$a = \sqrt{615.04 - 231.04}$

$a = 19.6$ cm

5.

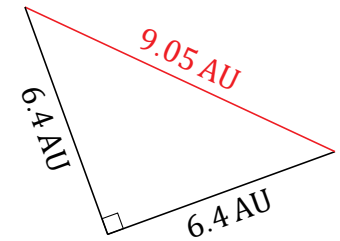


$8.7^2 + b^2 = 11.89^2$

$b = \sqrt{141.3721 - 75.69}$

$b = 8.1$ AU

6.



$6.4^2 + 6.4^2 = c^2$

$c = \sqrt{40.96 + 40.96}$

$c = 9.05$ AU