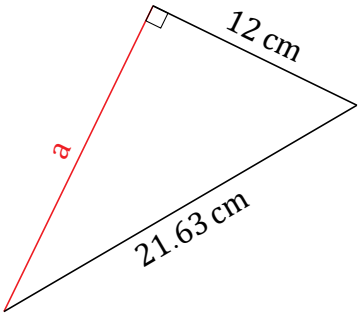
Pythagorean Theorem (J)

Name: _____ Date: _____

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

1.



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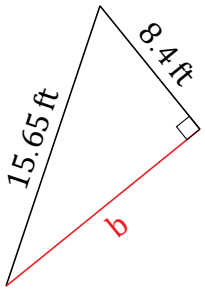

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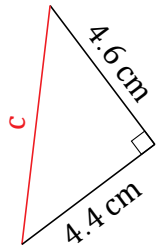

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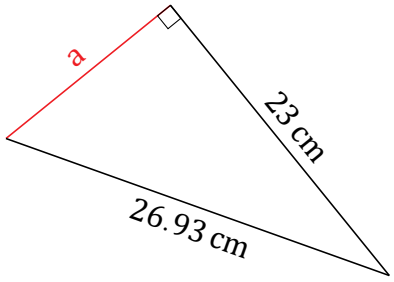

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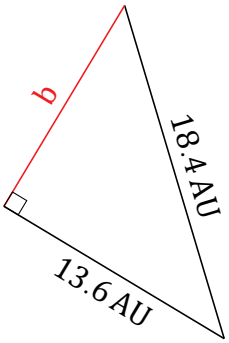

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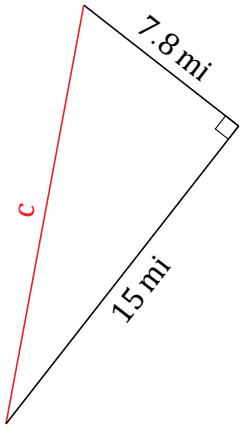
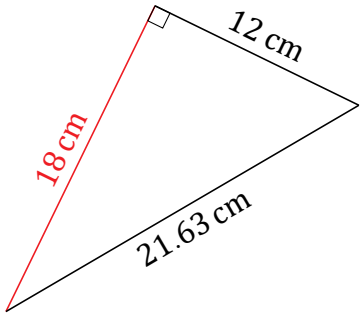


Pythagorean Theorem (J) Answers

Name: _____ Date: _____

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

1.

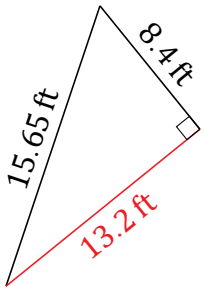


$a^2 + 12^2 = 21.63^2$

$a = \sqrt{467.8569 - 144}$

$a = 18$ cm

2.

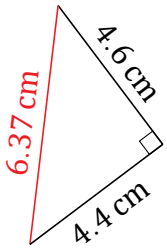


$8.4^2 + b^2 = 15.65^2$

$b = \sqrt{244.9225 - 70.56}$

$b = 13.2$ ft

3.

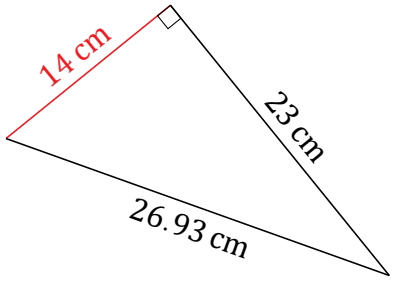


$4.6^2 + 4.4^2 = c^2$

$c = \sqrt{21.16 + 19.36}$

$c = 6.37$ cm

4.

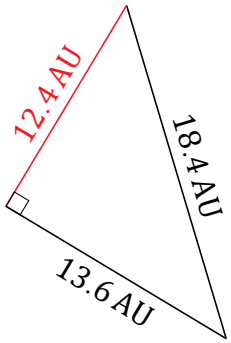


$a^2 + 23^2 = 26.93^2$

$a = \sqrt{725.2249 - 529}$

$a = 14$ cm

5.

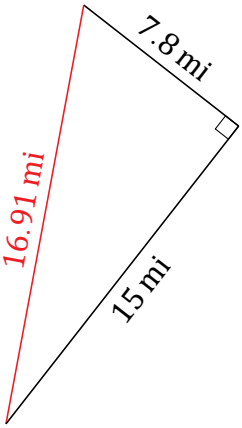


$13.6^2 + b^2 = 18.4^2$

$b = \sqrt{338.56 - 184.96}$

$b = 12.4$ AU

6.



$7.8^2 + 15^2 = c^2$

$c = \sqrt{60.84 + 225}$

$c = 16.91$ mi