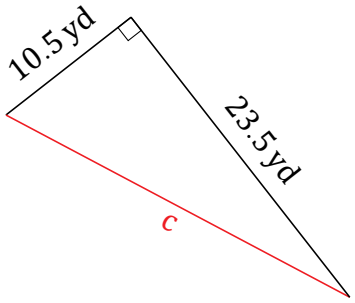
Pythagorean Theorem (H)

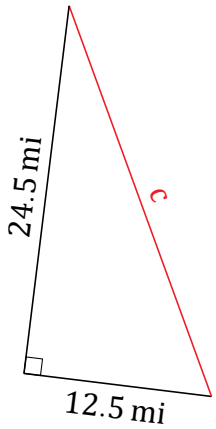
Name: _____ Date: _____

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

1.



2.



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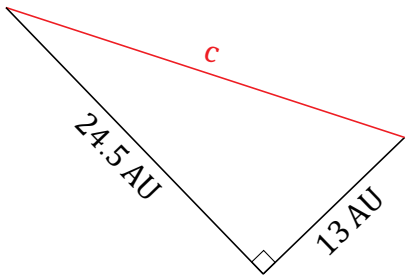

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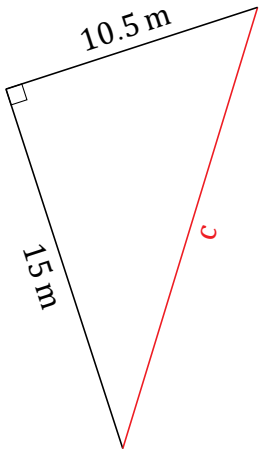

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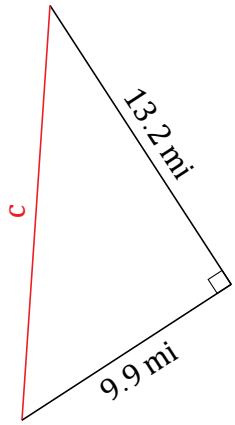

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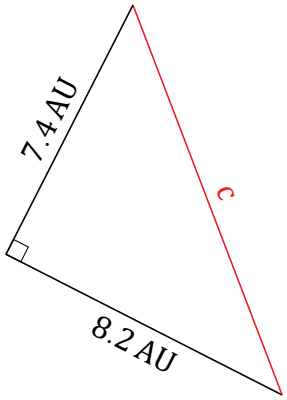
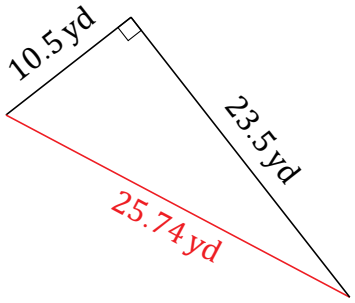


Pythagorean Theorem (H) Answers

Name: _____ Date: _____

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

1.

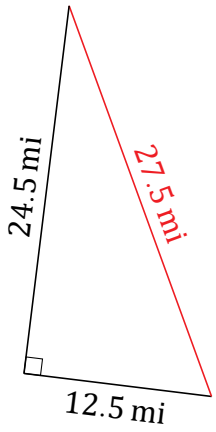


$10.5^2 + 23.5^2 = c^2$

$c = \sqrt{110.25 + 552.25}$

$c = 25.74$ yd

2.

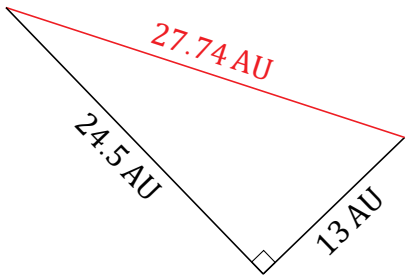


$12.5^2 + 24.5^2 = c^2$

$c = \sqrt{156.25 + 600.25}$

$c = 27.5$ mi

3.

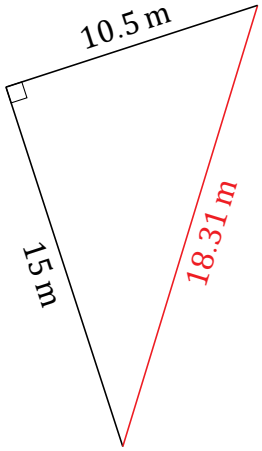


$13^2 + 24.5^2 = c^2$

$c = \sqrt{169 + 600.25}$

$c = 27.74$ AU

4.

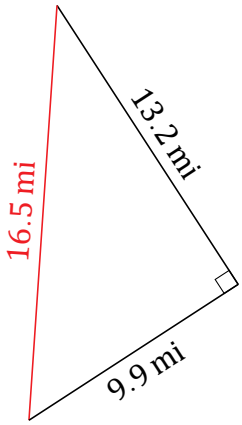


$15^2 + 10.5^2 = c^2$

$c = \sqrt{225 + 110.25}$

$c = 18.31$ m

5.

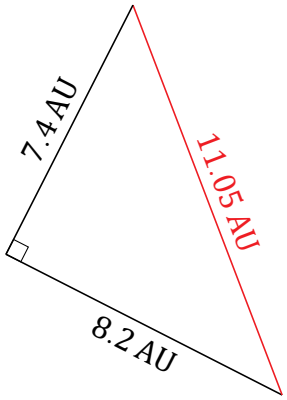


$13.2^2 + 9.9^2 = c^2$

$c = \sqrt{174.24 + 98.01}$

$c = 16.5$ mi

6.



$8.2^2 + 7.4^2 = c^2$

$c = \sqrt{67.24 + 54.76}$

$c = 11.05$ AU