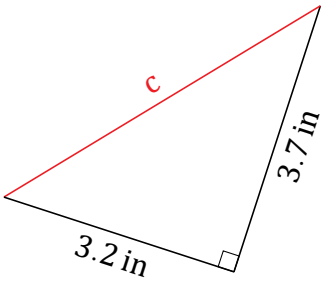
Pythagorean Theorem (A)

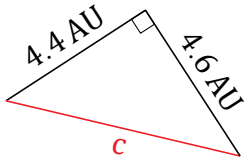
Name: _____ Date: _____

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

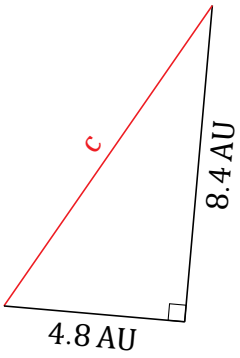
1.



2.



3.



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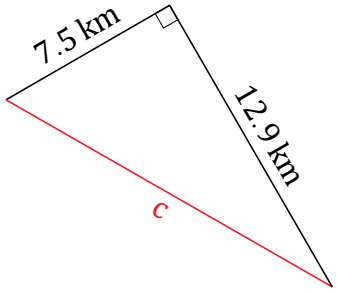
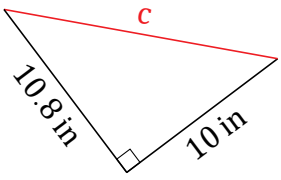
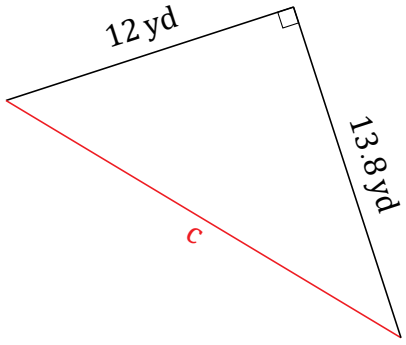


5.



6.

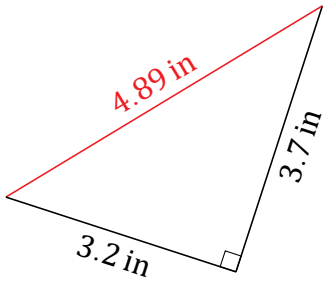


Pythagorean Theorem (A) Answers

Name: _____ Date: _____

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

1.

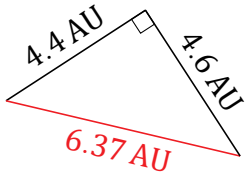


$3.7^2 + 3.2^2 = c^2$

$c = \sqrt{13.69 + 10.24}$

$c = 4.89$ in

2.

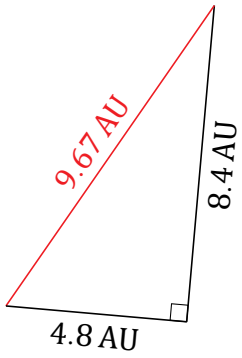


$4.4^2 + 4.6^2 = c^2$

$c = \sqrt{19.36 + 21.16}$

$c = 6.37$ AU

3.

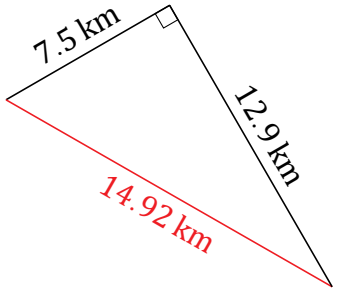


$8.4^2 + 4.8^2 = c^2$

$c = \sqrt{70.56 + 23.04}$

$c = 9.67$ AU

4.

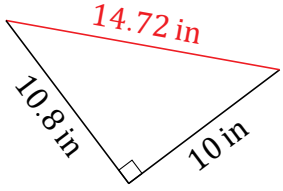


$7.5^2 + 12.9^2 = c^2$

$c = \sqrt{56.25 + 166.41}$

$c = 14.92$ km

5.

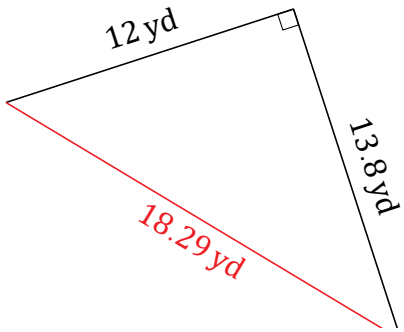


$10^2 + 10.8^2 = c^2$

$c = \sqrt{100 + 116.64}$

$c = 14.72$ in

6.



$12^2 + 13.8^2 = c^2$

$c = \sqrt{144 + 190.44}$

$c = 18.29$ yd