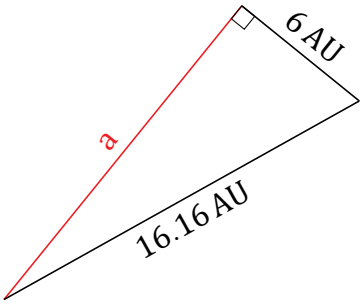
Pythagorean Theorem (F)

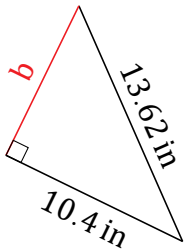
Name: _____ Date: _____

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

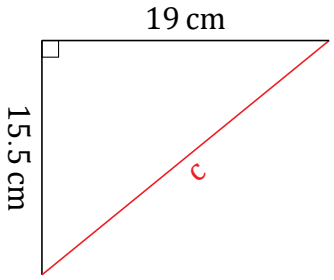
1.



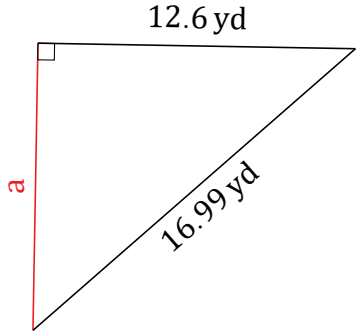
2.



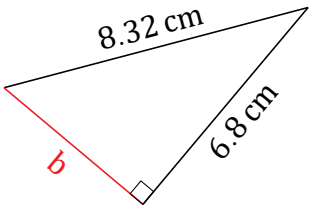
3.



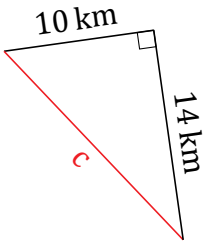
4.



5.



6.

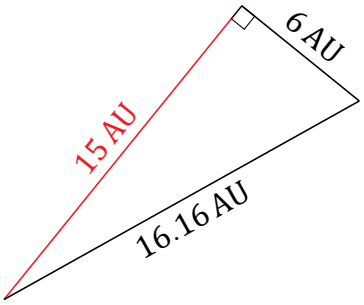


Pythagorean Theorem (F) Answers

Name: _____ Date: _____

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

1.

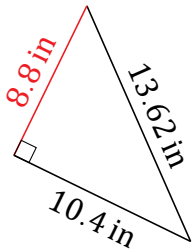


$a^2 + 6^2 = 16.16^2$

$a = \sqrt{261.1456 - 36}$

$a = 15$ AU

2.

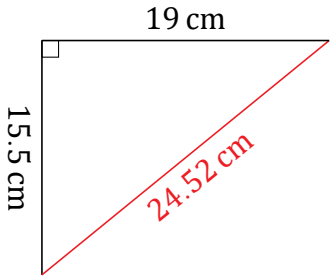


$10.4^2 + b^2 = 13.62^2$

$b = \sqrt{185.5044 - 108.16}$

$b = 8.8$ in

3.

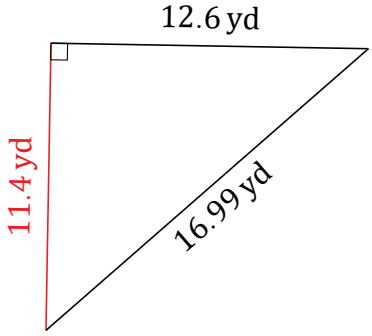


$15.5^2 + 19^2 = c^2$

$c = \sqrt{240.25 + 361}$

$c = 24.52$ cm

4.

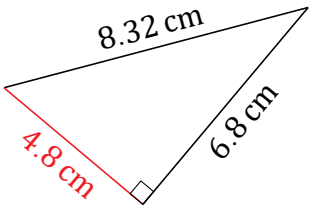


$a^2 + 12.6^2 = 16.99^2$

$a = \sqrt{288.6601 - 158.76}$

$a = 11.4$ yd

5.

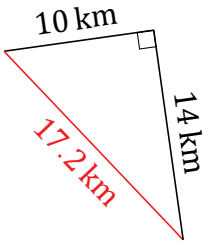


$6.8^2 + b^2 = 8.32^2$

$b = \sqrt{69.2224 - 46.24}$

$b = 4.8$ cm

6.



$10^2 + 14^2 = c^2$

$c = \sqrt{100 + 196}$

$c = 17.2$ km