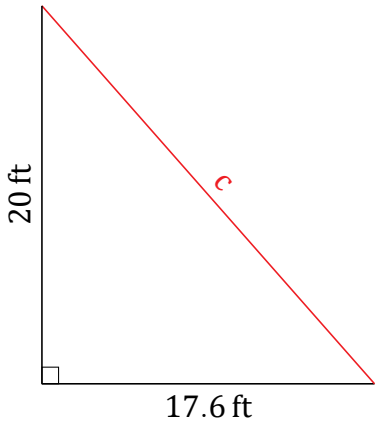
Pythagorean Theorem (D)

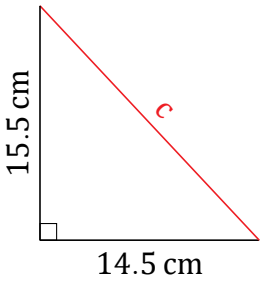
Name: _____ Date: _____

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

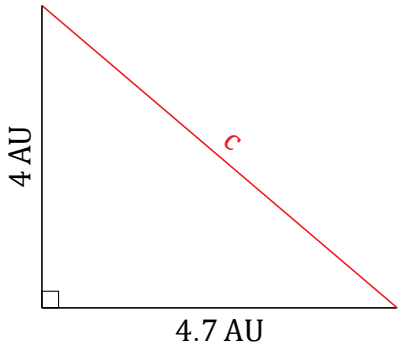
1.



2.



3.



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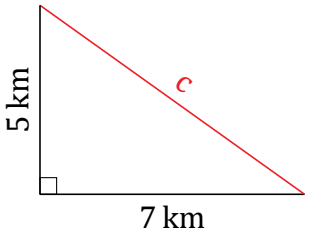
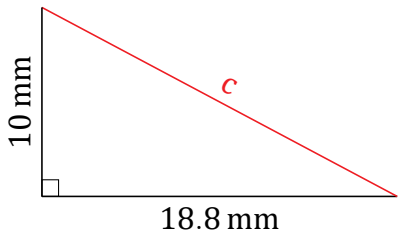
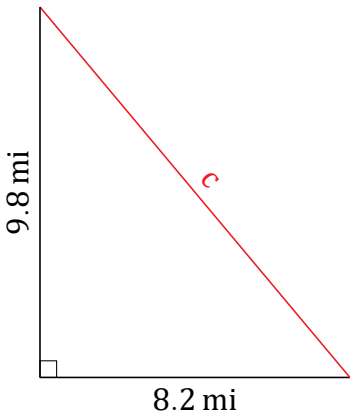


5.



6.

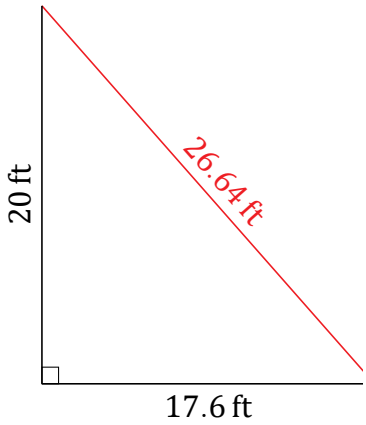


Pythagorean Theorem (D) Answers

Name: _____ Date: _____

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

1.

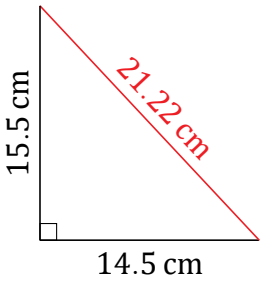


$17.6^2 + 20^2 = c^2$

$c = \sqrt{309.76 + 400}$

$c = 26.64$ ft

2.

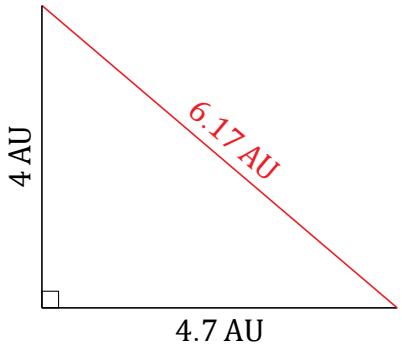


$14.5^2 + 15.5^2 = c^2$

$c = \sqrt{210.25 + 240.25}$

$c = 21.22$ cm

3.

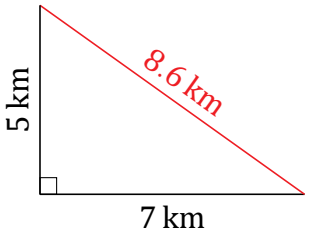


$4.7^2 + 4^2 = c^2$

$c = \sqrt{22.09 + 16}$

$c = 6.17$ AU

4.

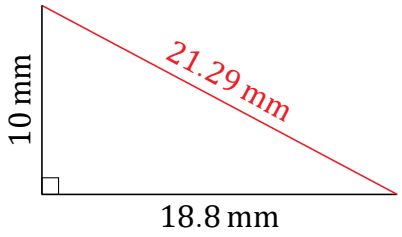


$7^2 + 5^2 = c^2$

$c = \sqrt{49 + 25}$

$c = 8.6$ km

5.

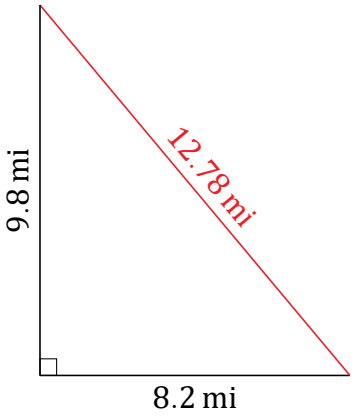


$18.8^2 + 10^2 = c^2$

$c = \sqrt{353.44 + 100}$

$c = 21.29$ mm

6.



$8.2^2 + 9.8^2 = c^2$

$c = \sqrt{67.24 + 96.04}$

$c = 12.78$ mi