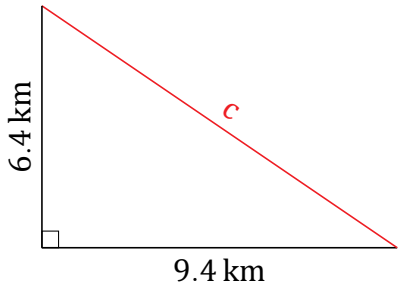
Pythagorean Theorem (B)

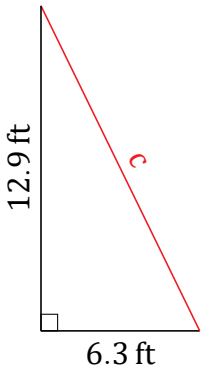
Name: _____ Date: _____

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

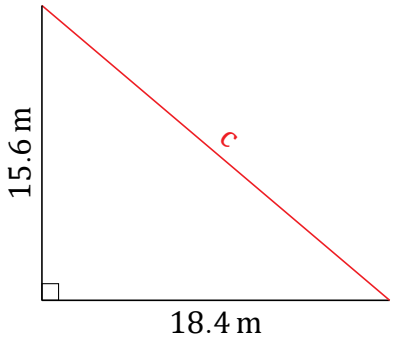
1.



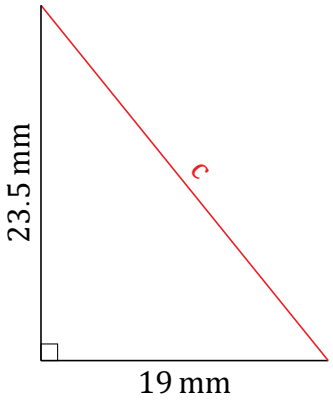
2.



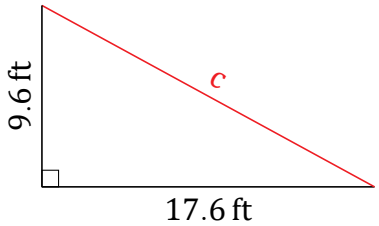
3.



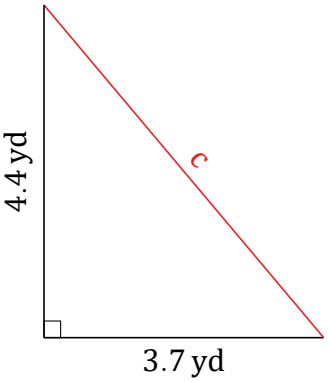
4.



5.



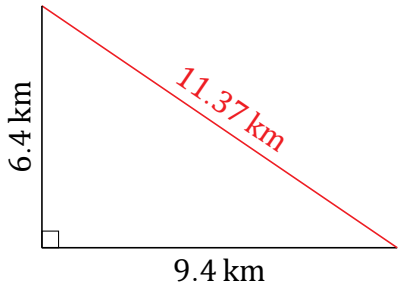
6.



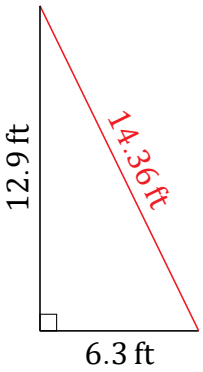
Pythagorean Theorem (B) Answers

Name: _____ Date: _____

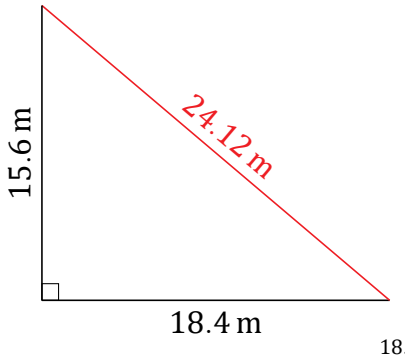
Calculate the missing side measurement using $a^2 + b^2 = c^2$.

1. 

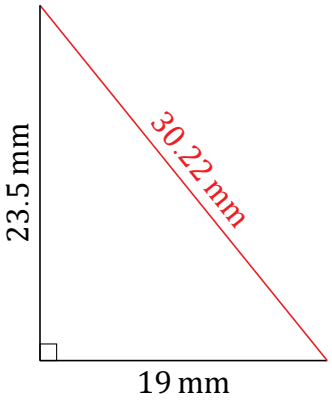
$9.4^2 + 6.4^2 = c^2$
$c = \sqrt{88.36 + 40.96}$
$c = 11.37$ km

2. 

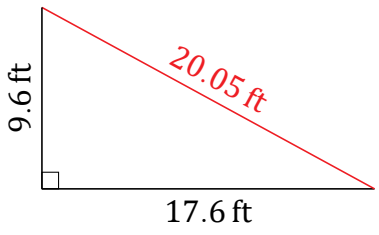
$6.3^2 + 12.9^2 = c^2$
$c = \sqrt{39.69 + 166.41}$
$c = 14.36$ ft

3. 

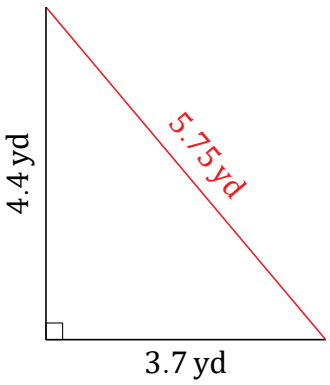
$18.4^2 + 15.6^2 = c^2$
$c = \sqrt{338.56 + 243.36}$
$c = 24.12$ m

4. 

$19^2 + 23.5^2 = c^2$
$c = \sqrt{361 + 552.25}$
$c = 30.22$ mm

5. 

$17.6^2 + 9.6^2 = c^2$
$c = \sqrt{309.76 + 92.16}$
$c = 20.05$ ft

6. 

$3.7^2 + 4.4^2 = c^2$
$c = \sqrt{13.69 + 19.36}$
$c = 5.75$ yd