

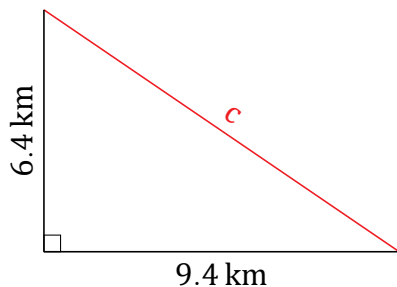
Pythagorean Theorem (B)

Name: _____

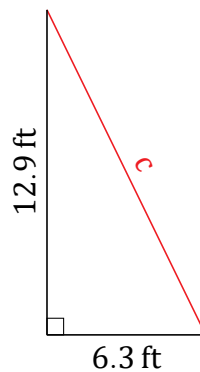
Date: _____

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

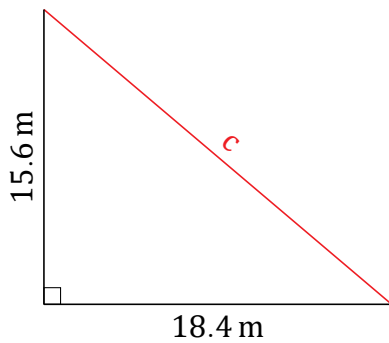
1.



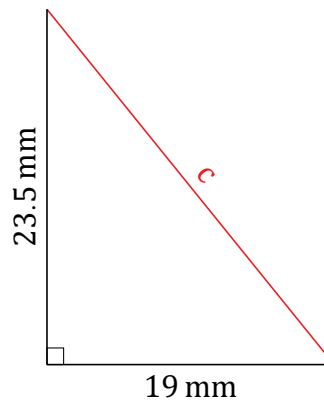
2.



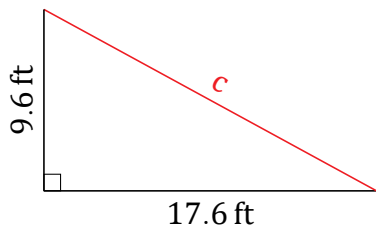
3.



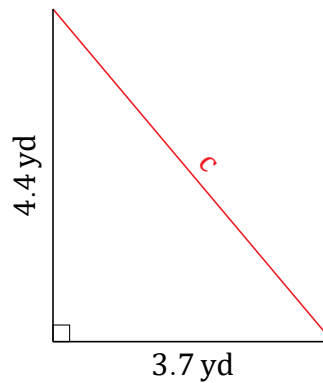
4.



5.



6.



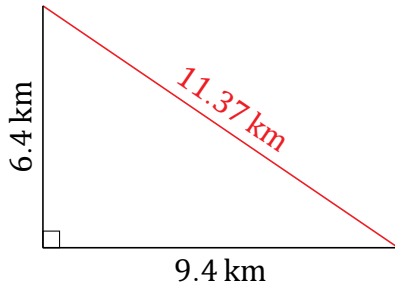
Pythagorean Theorem (B) Answers

Name: _____

Date: _____

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

1.



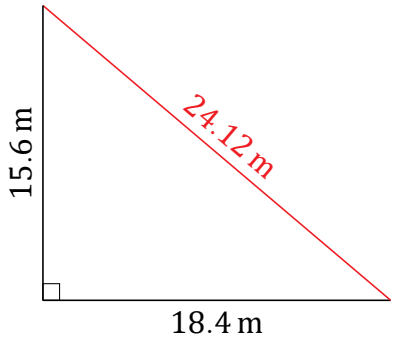
$$\begin{aligned}9.4^2 + 6.4^2 &= c^2 \\c &= \sqrt{88.36 + 40.96} \\c &= 11.37 \text{ km}\end{aligned}$$

2.



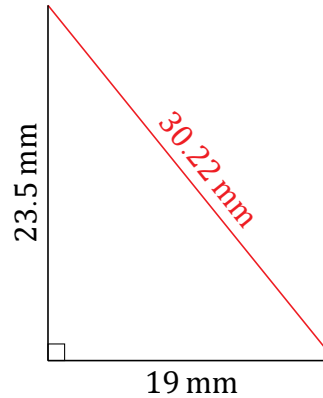
$$\begin{aligned}6.3^2 + 12.9^2 &= c^2 \\c &= \sqrt{39.69 + 166.41} \\c &= 14.36 \text{ ft}\end{aligned}$$

3.



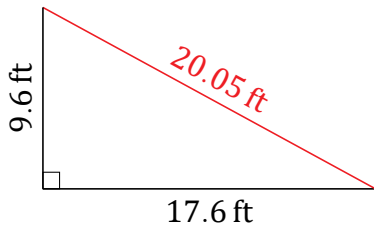
$$\begin{aligned}18.4^2 + 15.6^2 &= c^2 \\c &= \sqrt{338.56 + 243.36} \\c &= 24.12 \text{ m}\end{aligned}$$

4.



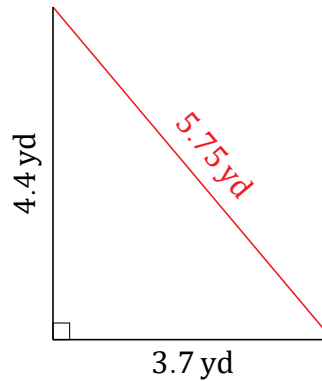
$$\begin{aligned}19^2 + 23.5^2 &= c^2 \\c &= \sqrt{361 + 552.25} \\c &= 30.22 \text{ mm}\end{aligned}$$

5.



$$\begin{aligned}17.6^2 + 9.6^2 &= c^2 \\c &= \sqrt{309.76 + 92.16} \\c &= 20.05 \text{ ft}\end{aligned}$$

6.



$$\begin{aligned}3.7^2 + 4.4^2 &= c^2 \\c &= \sqrt{13.69 + 19.36} \\c &= 5.75 \text{ yd}\end{aligned}$$