

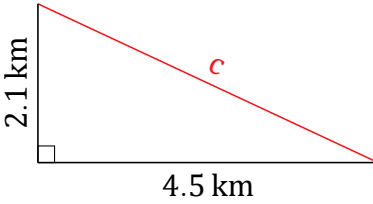
Pythagorean Theorem (I)

Name: _____

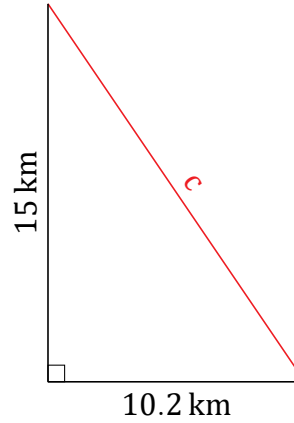
Date: _____

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

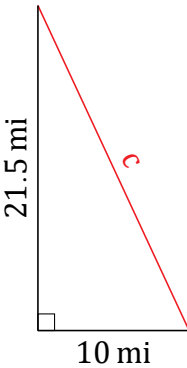
1.



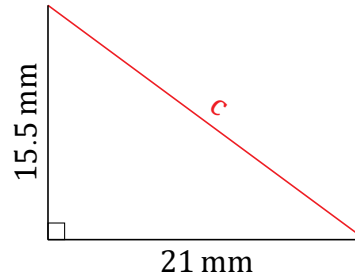
2.



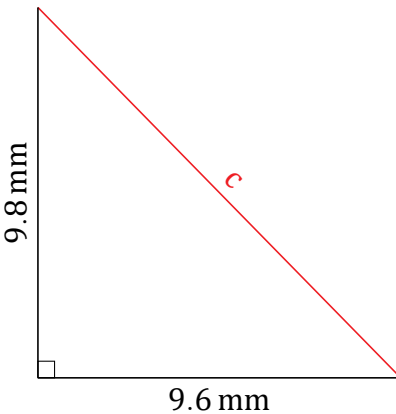
3.



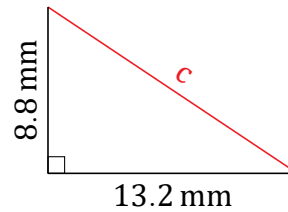
4.



5.



6.



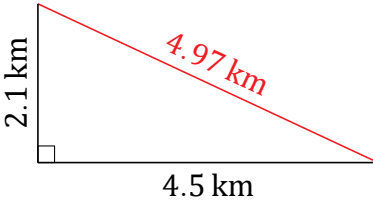
Pythagorean Theorem (I) Answers

Name: _____

Date: _____

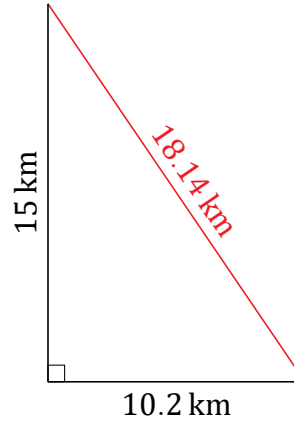
Calculate the missing side measurement using $a^2 + b^2 = c^2$.

1.



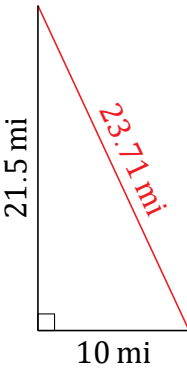
$$4.5^2 + 2.1^2 = c^2$$
$$c = \sqrt{20.25 + 4.41}$$
$$c = 4.97 \text{ km}$$

2.



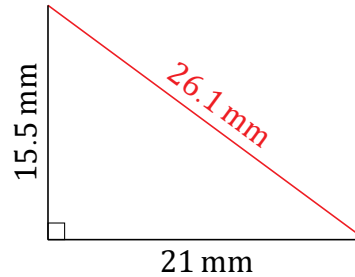
$$10.2^2 + 15^2 = c^2$$
$$c = \sqrt{104.04 + 225}$$
$$c = 18.14 \text{ km}$$

3.



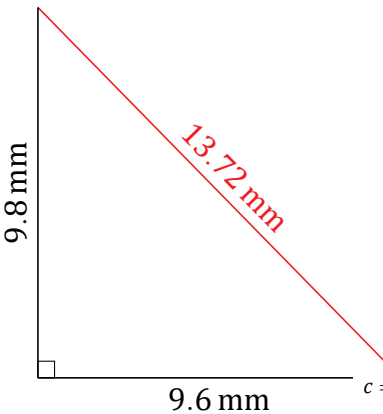
$$10^2 + 21.5^2 = c^2$$
$$c = \sqrt{100 + 462.25}$$
$$c = 23.71 \text{ mi}$$

4.



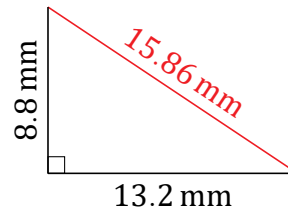
$$21^2 + 15.5^2 = c^2$$
$$c = \sqrt{441 + 240.25}$$
$$c = 26.1 \text{ mm}$$

5.



$$9.6^2 + 9.8^2 = c^2$$
$$c = \sqrt{92.16 + 96.04}$$
$$c = 13.72 \text{ mm}$$

6.



$$13.2^2 + 8.8^2 = c^2$$
$$c = \sqrt{174.24 + 77.44}$$
$$c = 15.86 \text{ mm}$$