

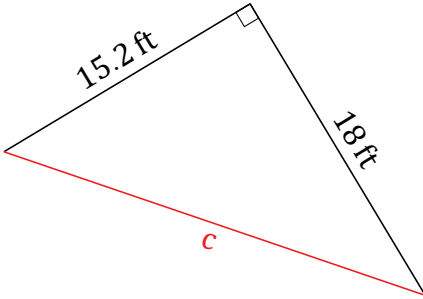
Pythagorean Theorem (I)

Name: _____

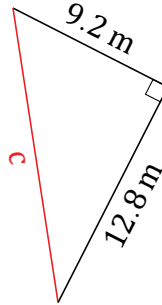
Date: _____

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

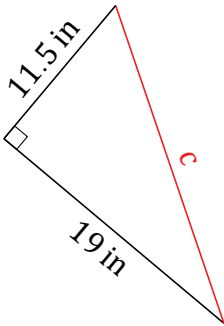
1.



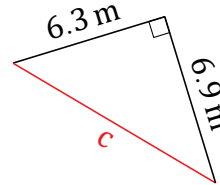
2.



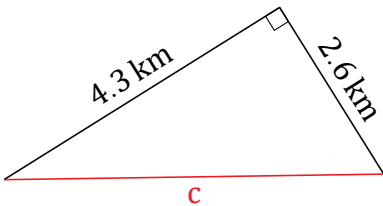
3.



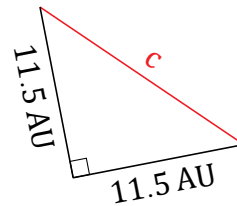
4.



5.



6.



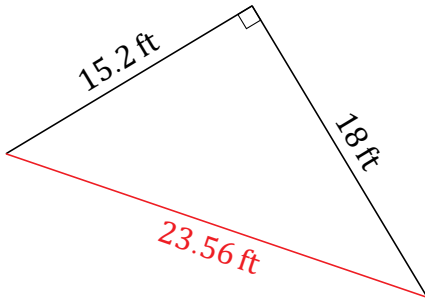
Pythagorean Theorem (I) Answers

Name: _____

Date: _____

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

1.



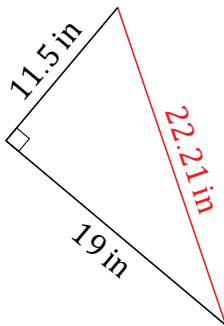
$$15.2^2 + 18^2 = c^2$$
$$c = \sqrt{231.04 + 324}$$
$$c = 23.56 \text{ ft}$$

2.



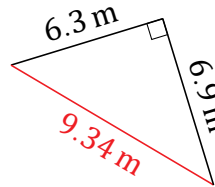
$$9.2^2 + 12.8^2 = c^2$$
$$c = \sqrt{84.64 + 163.84}$$
$$c = 15.76 \text{ m}$$

3.



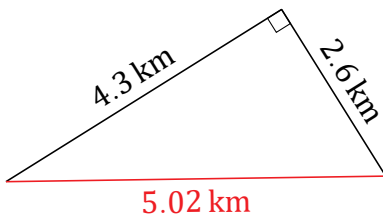
$$19^2 + 11.5^2 = c^2$$
$$c = \sqrt{361 + 132.25}$$
$$c = 22.21 \text{ in}$$

4.



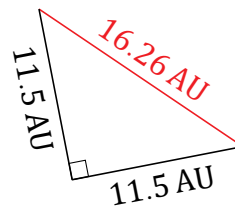
$$6.3^2 + 6.9^2 = c^2$$
$$c = \sqrt{39.69 + 47.61}$$
$$c = 9.34 \text{ m}$$

5.



$$4.3^2 + 2.6^2 = c^2$$
$$c = \sqrt{18.49 + 6.76}$$
$$c = 5.02 \text{ km}$$

6.



$$11.5^2 + 11.5^2 = c^2$$
$$c = \sqrt{132.25 + 132.25}$$
$$c = 16.26 \text{ AU}$$