

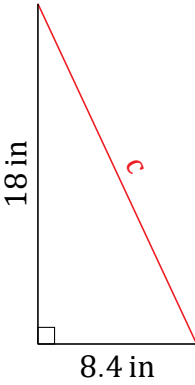
Pythagorean Theorem (C)

Name: _____

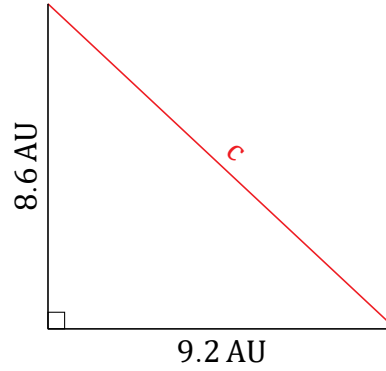
Date: _____

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

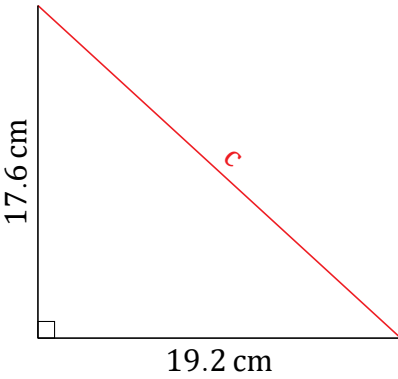
1.



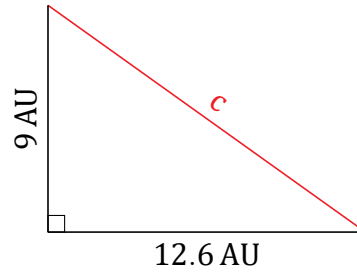
2.



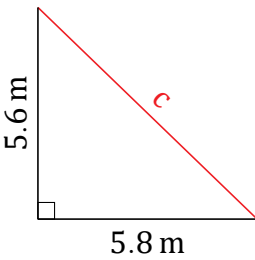
3.



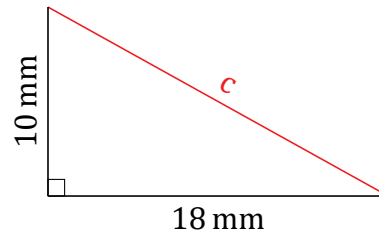
4.



5.



6.



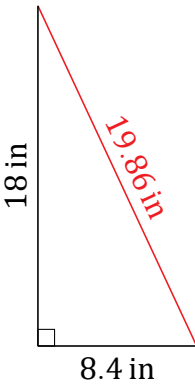
Pythagorean Theorem (C) Answers

Name: _____

Date: _____

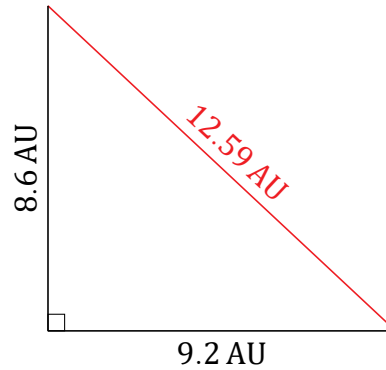
Calculate the missing side measurement using $a^2 + b^2 = c^2$.

1.



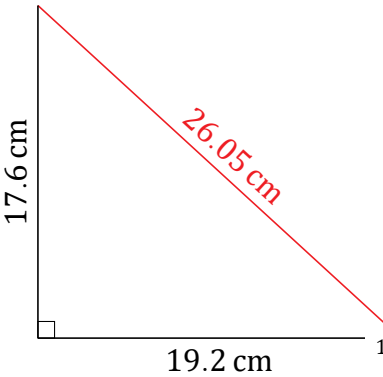
$$8.4^2 + 18^2 = c^2$$
$$c = \sqrt{70.56 + 324}$$
$$c = 19.86 \text{ in}$$

2.



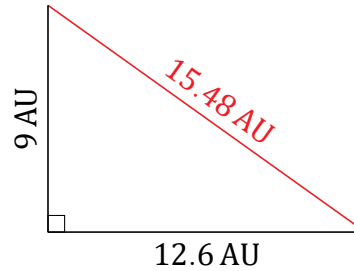
$$9.2^2 + 8.6^2 = c^2$$
$$c = \sqrt{84.64 + 73.96}$$
$$c = 12.59 \text{ AU}$$

3.



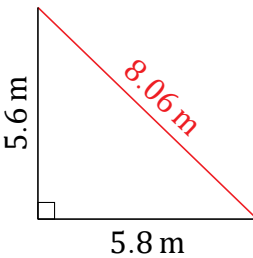
$$19.2^2 + 17.6^2 = c^2$$
$$c = \sqrt{368.64 + 309.76}$$
$$c = 26.05 \text{ cm}$$

4.



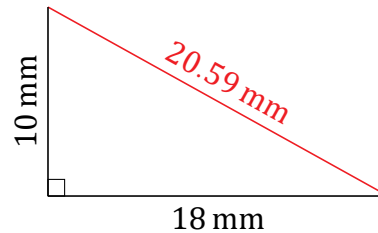
$$12.6^2 + 9^2 = c^2$$
$$c = \sqrt{158.76 + 81}$$
$$c = 15.48 \text{ AU}$$

5.



$$5.8^2 + 5.6^2 = c^2$$
$$c = \sqrt{33.64 + 31.36}$$
$$c = 8.06 \text{ m}$$

6.



$$18^2 + 10^2 = c^2$$
$$c = \sqrt{324 + 100}$$
$$c = 20.59 \text{ mm}$$