

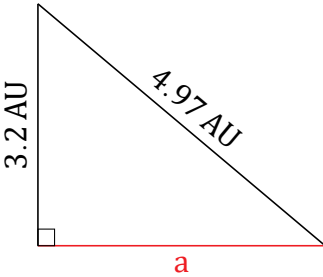
Pythagorean Theorem (F)

Name: _____

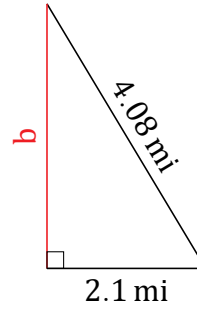
Date: _____

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

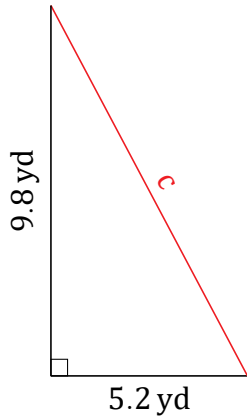
1.



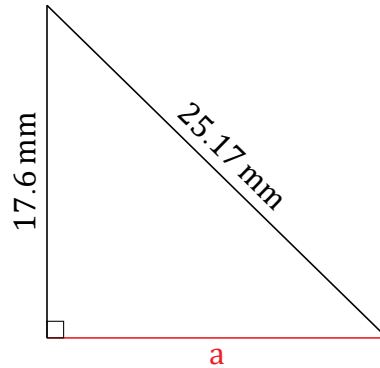
2.



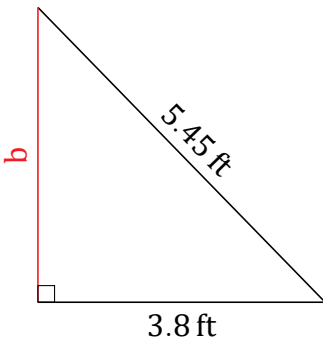
3.



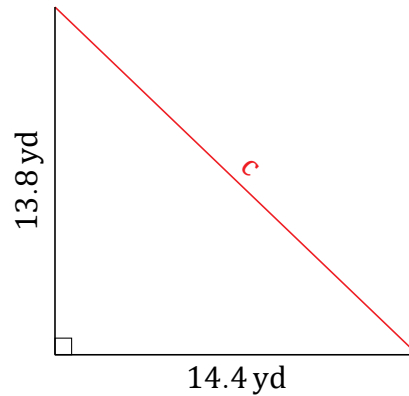
4.



5.



6.



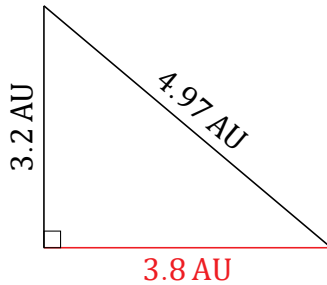
Pythagorean Theorem (F) Answers

Name: _____

Date: _____

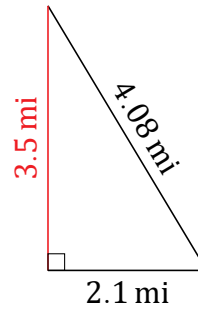
Calculate the missing side measurement using $a^2 + b^2 = c^2$.

1.



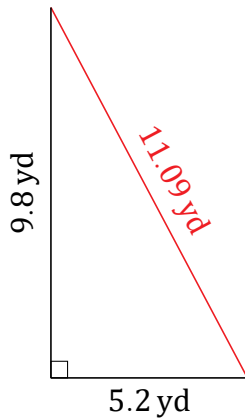
$$a^2 + 3.2^2 = 4.97^2$$
$$a = \sqrt{24.7009 - 10.24}$$
$$a = 3.8 \text{ AU}$$

2.



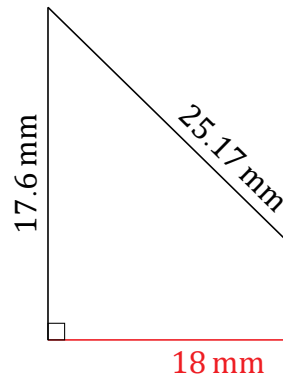
$$2.1^2 + b^2 = 4.08^2$$
$$b = \sqrt{16.6464 - 4.41}$$
$$b = 3.5 \text{ mi}$$

3.



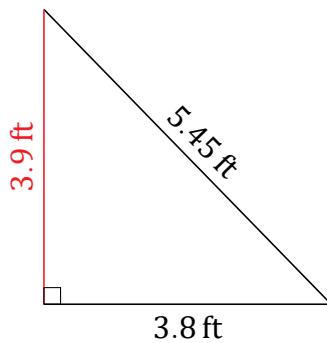
$$5.2^2 + 9.8^2 = c^2$$
$$c = \sqrt{27.04 + 96.04}$$
$$c = 11.09 \text{ yd}$$

4.



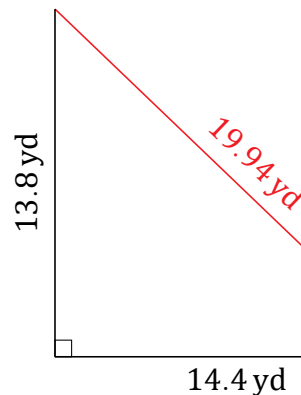
$$a^2 + 17.6^2 = 25.17^2$$
$$a = \sqrt{633.5289 - 309.76}$$
$$a = 18 \text{ mm}$$

5.



$$3.8^2 + b^2 = 5.45^2$$
$$b = \sqrt{29.7025 - 14.44}$$
$$b = 3.9 \text{ ft}$$

6.



$$14.4^2 + 13.8^2 = c^2$$
$$c = \sqrt{207.36 + 190.44}$$
$$c = 19.94 \text{ yd}$$