

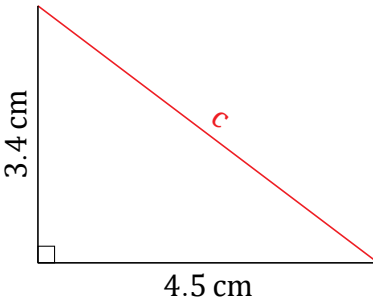
Pythagorean Theorem (A)

Name: _____

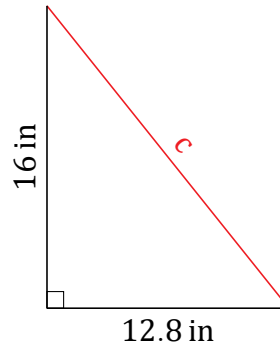
Date: _____

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

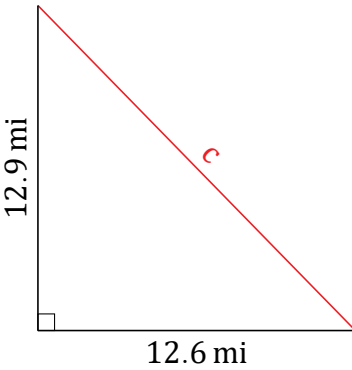
1.



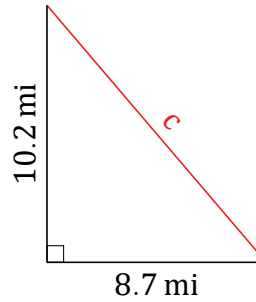
2.



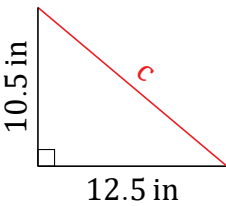
3.



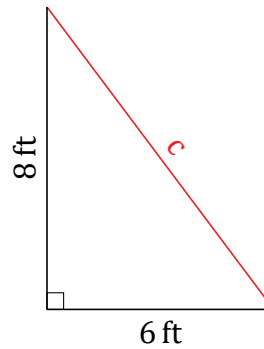
4.



5.



6.



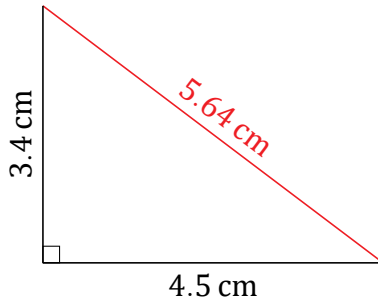
Pythagorean Theorem (A) Answers

Name: _____

Date: _____

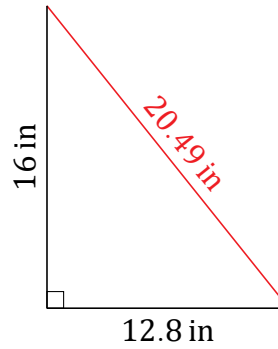
Calculate the missing side measurement using $a^2 + b^2 = c^2$.

1.



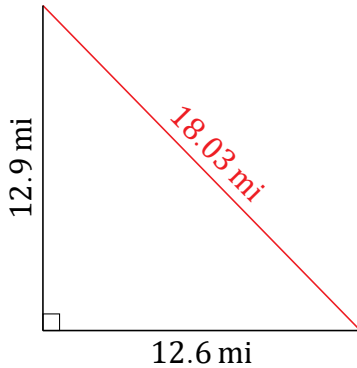
$$4.5^2 + 3.4^2 = c^2$$
$$c = \sqrt{20.25 + 11.56}$$
$$c = 5.64 \text{ cm}$$

2.



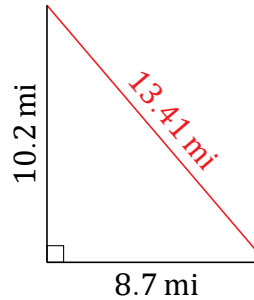
$$12.8^2 + 16^2 = c^2$$
$$c = \sqrt{163.84 + 256}$$
$$c = 20.49 \text{ in}$$

3.



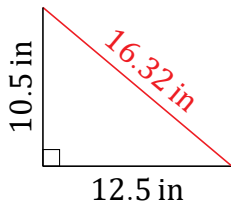
$$12.6^2 + 12.9^2 = c^2$$
$$c = \sqrt{158.76 + 166.41}$$
$$c = 18.03 \text{ mi}$$

4.



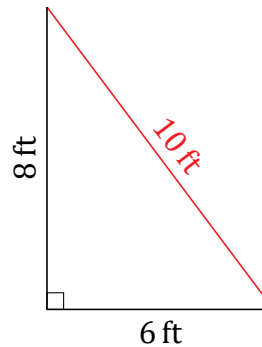
$$8.7^2 + 10.2^2 = c^2$$
$$c = \sqrt{75.69 + 104.04}$$
$$c = 13.41 \text{ mi}$$

5.



$$12.5^2 + 10.5^2 = c^2$$
$$c = \sqrt{156.25 + 110.25}$$
$$c = 16.32 \text{ in}$$

6.



$$6^2 + 8^2 = c^2$$
$$c = \sqrt{36 + 64}$$
$$c = 10 \text{ ft}$$