

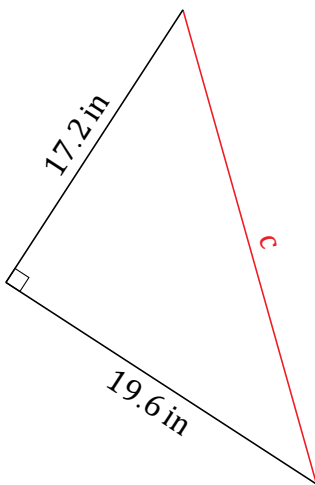
# Pythagorean Theorem (G)

Name: \_\_\_\_\_

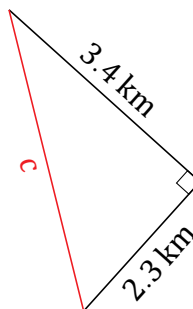
Date: \_\_\_\_\_

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

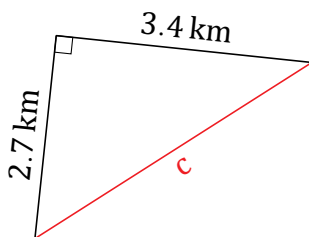
1.



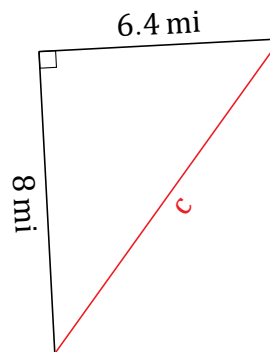
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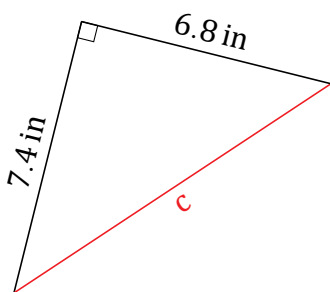
3.



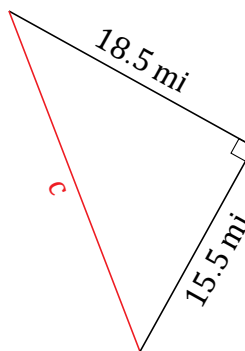
4.



5.



6.



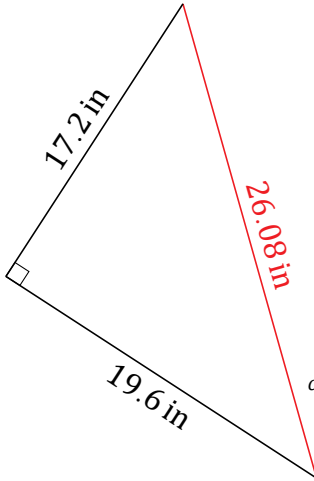
# Pythagorean Theorem (G) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

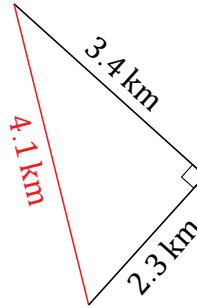
Calculate the missing side measurement using  $a^2 + b^2 = c^2$ .

1.



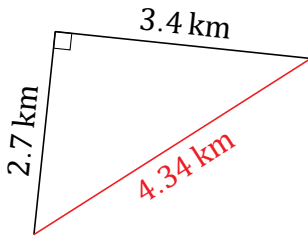
$$19.6^2 + 17.2^2 = c^2$$
$$c = \sqrt{384.16 + 295.84}$$
$$c = 26.08 \text{ in}$$

2.



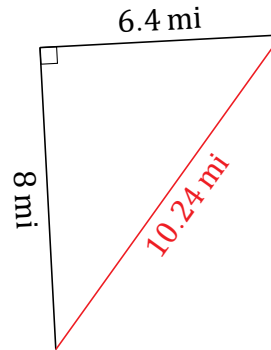
$$3.4^2 + 2.3^2 = c^2$$
$$c = \sqrt{11.56 + 5.29}$$
$$c = 4.1 \text{ km}$$

3.



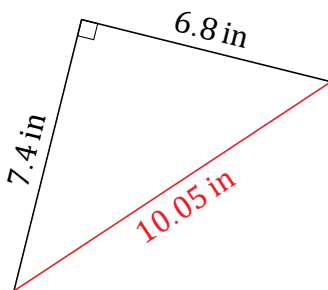
$$2.7^2 + 3.4^2 = c^2$$
$$c = \sqrt{7.29 + 11.56}$$
$$c = 4.34 \text{ km}$$

4.



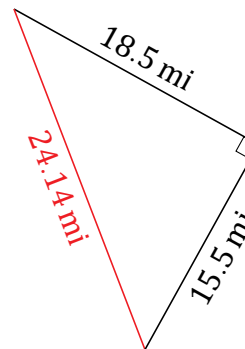
$$8^2 + 6.4^2 = c^2$$
$$c = \sqrt{64 + 40.96}$$
$$c = 10.24 \text{ mi}$$

5.



$$7.4^2 + 6.8^2 = c^2$$
$$c = \sqrt{54.76 + 46.24}$$
$$c = 10.05 \text{ in}$$

6.



$$18.5^2 + 15.5^2 = c^2$$
$$c = \sqrt{342.25 + 240.25}$$
$$c = 24.14 \text{ mi}$$