

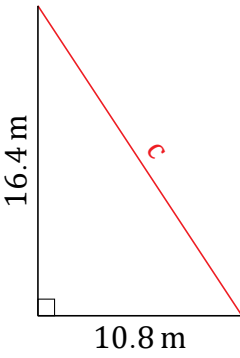
# Pythagorean Theorem (E)

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

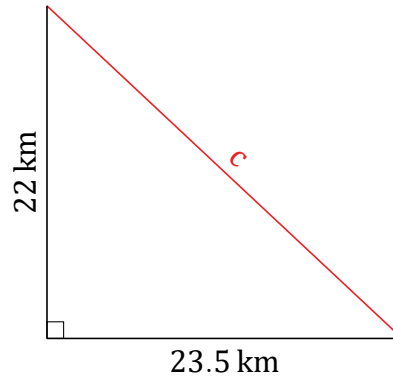
Date: \_\_\_\_\_

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

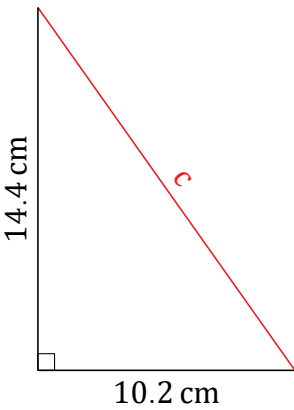
1.



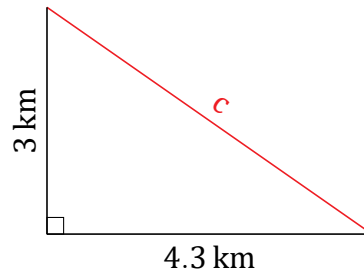
2.



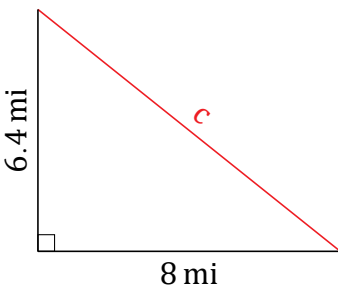
3.



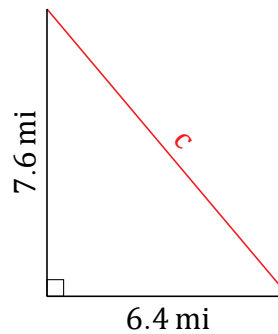
4.



5.



6.



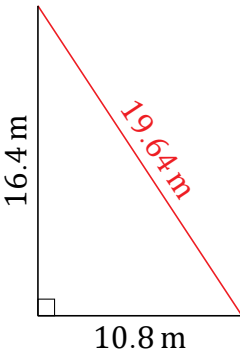
# Pythagorean Theorem (E) Answers

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

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

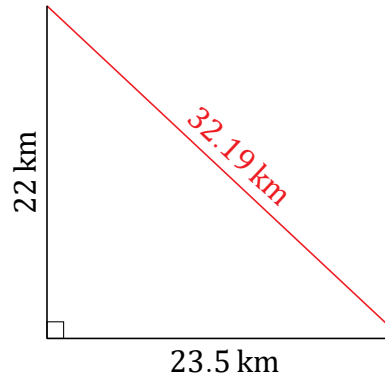
Calculate the missing side measurement using  $a^2 + b^2 = c^2$ .

1.



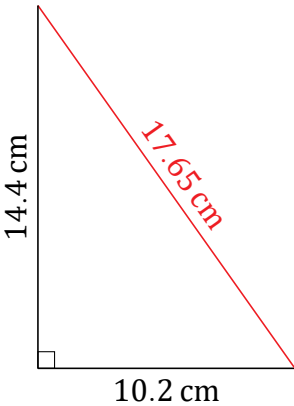
$$10.8^2 + 16.4^2 = c^2$$
$$c = \sqrt{116.64 + 268.96}$$
$$c = 19.64 \text{ m}$$

2.



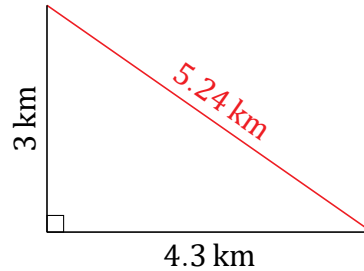
$$23.5^2 + 22^2 = c^2$$
$$c = \sqrt{552.25 + 484}$$
$$c = 32.19 \text{ km}$$

3.



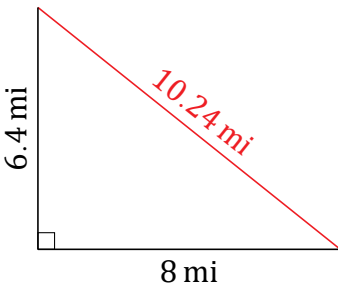
$$10.2^2 + 14.4^2 = c^2$$
$$c = \sqrt{104.04 + 207.36}$$
$$c = 17.65 \text{ cm}$$

4.



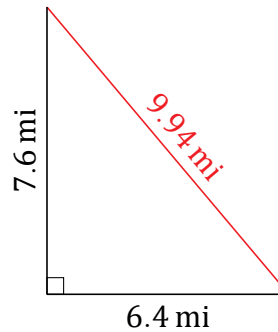
$$4.3^2 + 3^2 = c^2$$
$$c = \sqrt{18.49 + 9}$$
$$c = 5.24 \text{ km}$$

5.



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

6.



$$6.4^2 + 7.6^2 = c^2$$
$$c = \sqrt{40.96 + 57.76}$$
$$c = 9.94 \text{ mi}$$