

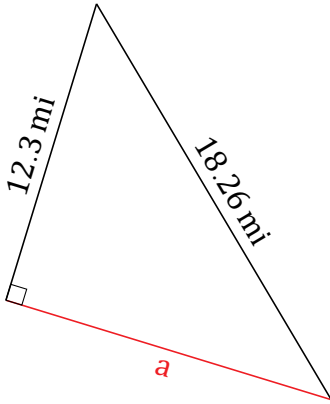
Pythagorean Theorem (I)

Name: _____

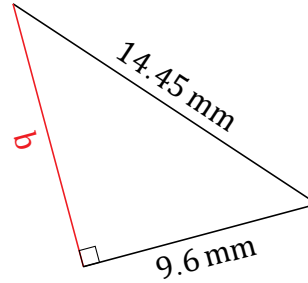
Date: _____

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

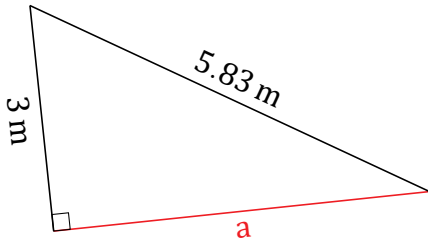
1.



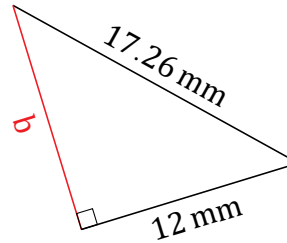
2.



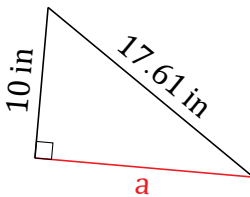
3.



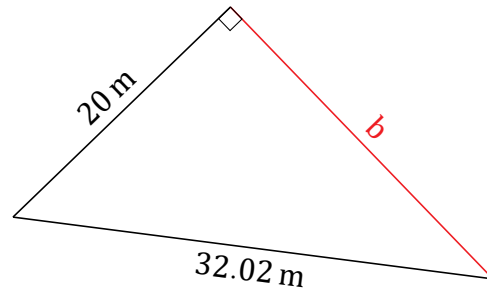
4.



5.



6.



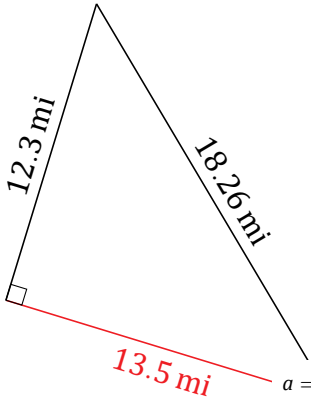
Pythagorean Theorem (I) Answers

Name: _____

Date: _____

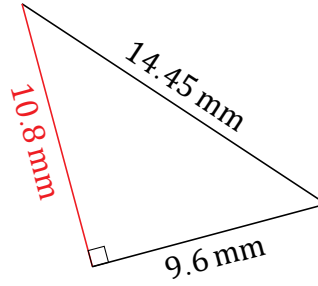
Calculate the missing side measurement using $a^2 + b^2 = c^2$.

1.



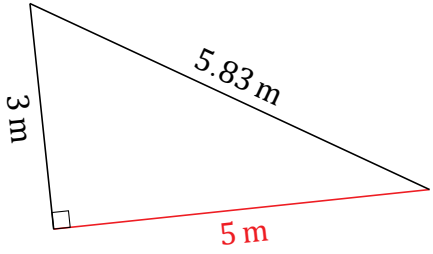
$$a^2 + 12.3^2 = 18.26^2$$
$$a = \sqrt{333.4276 - 151.29}$$
$$a = 13.5 \text{ mi}$$

2.



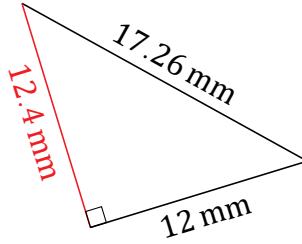
$$9.6^2 + b^2 = 14.45^2$$
$$b = \sqrt{208.8025 - 92.16}$$
$$b = 10.8 \text{ mm}$$

3.



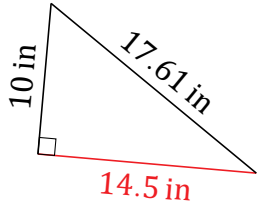
$$a^2 + 3^2 = 5.83^2$$
$$a = \sqrt{33.9889 - 9}$$
$$a = 5 \text{ m}$$

4.



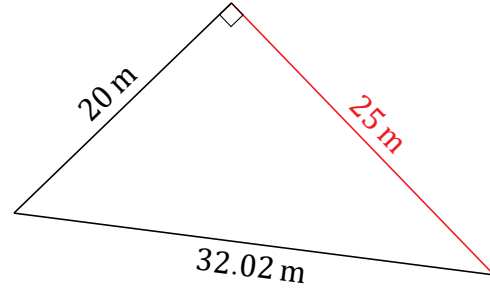
$$12^2 + b^2 = 17.26^2$$
$$b = \sqrt{297.9076 - 144}$$
$$b = 12.4 \text{ mm}$$

5.



$$a^2 + 10^2 = 17.61^2$$
$$a = \sqrt{310.1121 - 100}$$
$$a = 14.5 \text{ in}$$

6.



$$20^2 + b^2 = 32.02^2$$
$$b = \sqrt{1025.2804 - 400}$$
$$b = 25 \text{ m}$$