

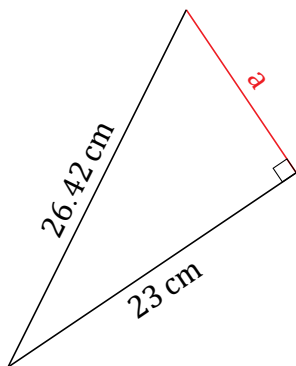
# Pythagorean Theorem (A)

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

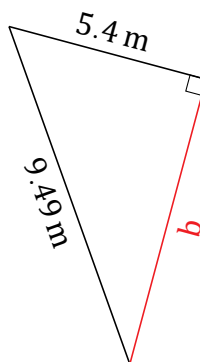
Date: \_\_\_\_\_

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

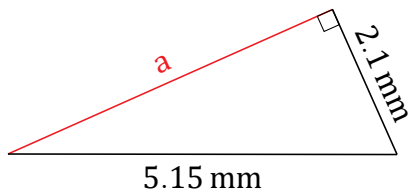
1.



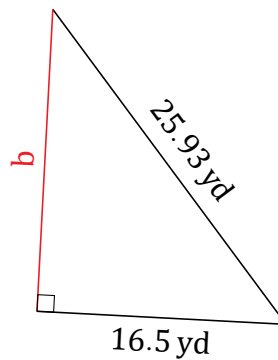
2.



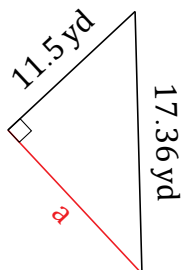
3.



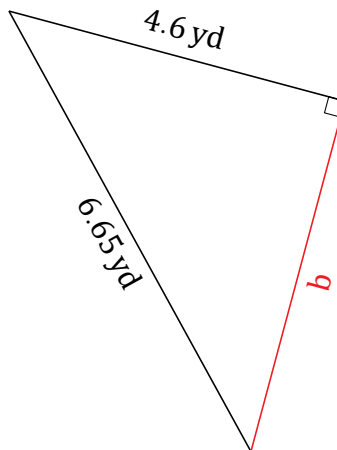
4.



5.



6.



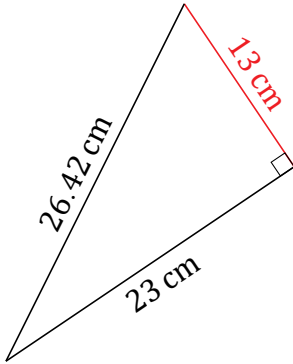
# Pythagorean Theorem (A) Answers

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

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

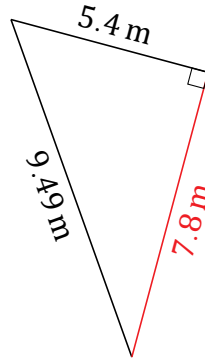
Calculate the missing side measurement using  $a^2 + b^2 = c^2$ .

1.



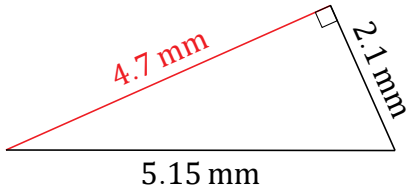
$$a^2 + 23^2 = 26.42^2$$
$$a = \sqrt{698.0164 - 529}$$
$$a = 13 \text{ cm}$$

2.



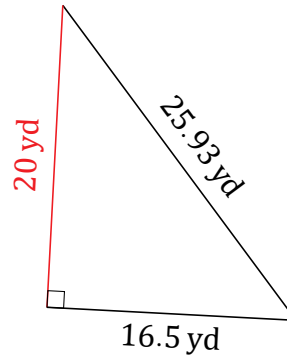
$$5.4^2 + b^2 = 9.49^2$$
$$b = \sqrt{90.0601 - 29.16}$$
$$b = 7.8 \text{ m}$$

3.



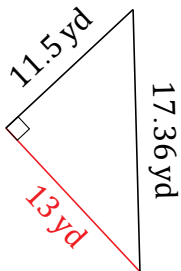
$$a^2 + 2.1^2 = 5.15^2$$
$$a = \sqrt{26.5225 - 4.41}$$
$$a = 4.7 \text{ mm}$$

4.



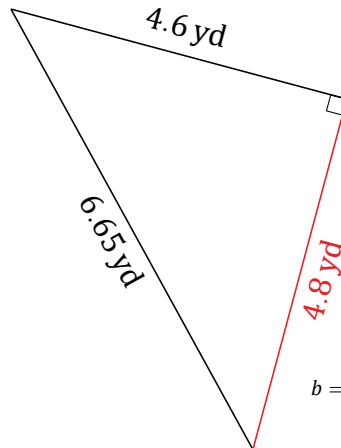
$$16.5^2 + b^2 = 25.93^2$$
$$b = \sqrt{672.3649 - 272.25}$$
$$b = 20 \text{ yd}$$

5.



$$a^2 + 11.5^2 = 17.36^2$$
$$a = \sqrt{301.3696 - 132.25}$$
$$a = 13 \text{ yd}$$

6.



$$4.6^2 + b^2 = 6.65^2$$
$$b = \sqrt{44.2225 - 21.16}$$
$$b = 4.8 \text{ yd}$$