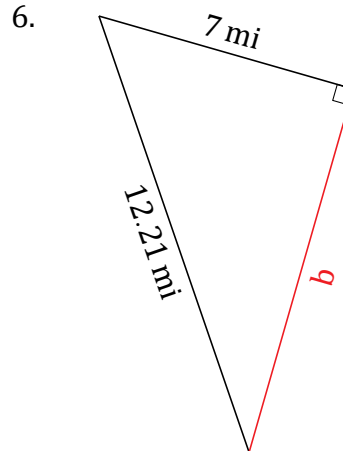
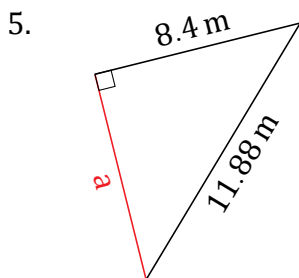
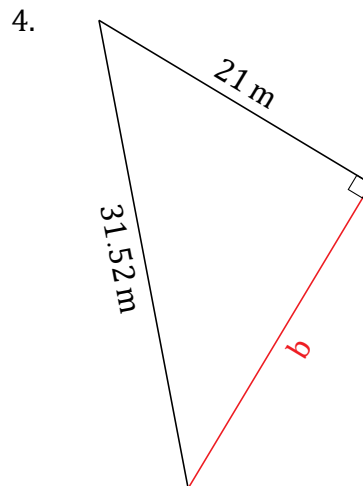
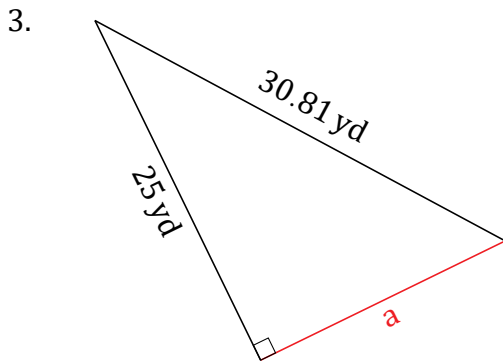
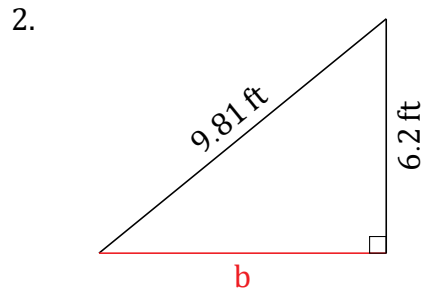
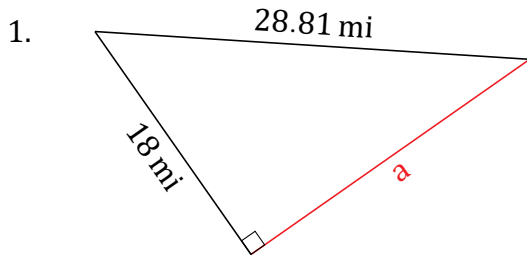


Pythagorean Theorem (G)

Name: _____

Date: _____

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



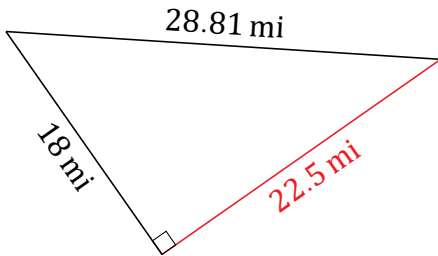
Pythagorean Theorem (G) Answers

Name: _____

Date: _____

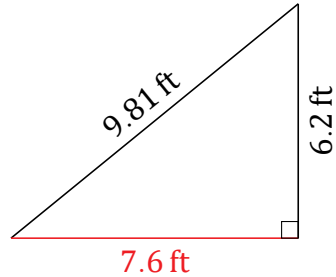
Calculate the missing side measurement using $a^2 + b^2 = c^2$.

1.



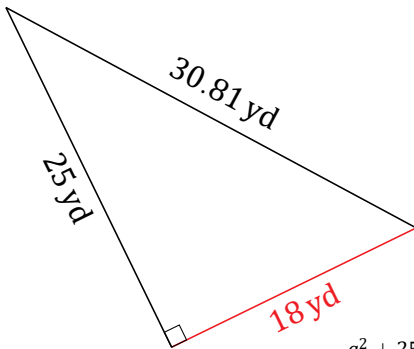
$$a^2 + 18^2 = 28.81^2$$
$$a = \sqrt{830.0161 - 324}$$
$$a = 22.5 \text{ mi}$$

2.



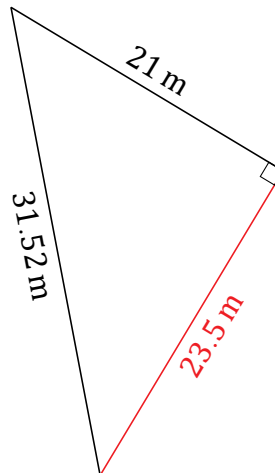
$$6.2^2 + b^2 = 9.81^2$$
$$b = \sqrt{96.2361 - 38.44}$$
$$b = 7.6 \text{ ft}$$

3.



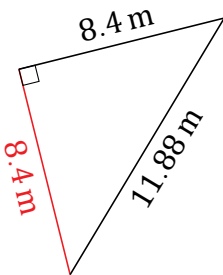
$$a^2 + 25^2 = 30.81^2$$
$$a = \sqrt{949.2561 - 625}$$
$$a = 18 \text{ yd}$$

4.



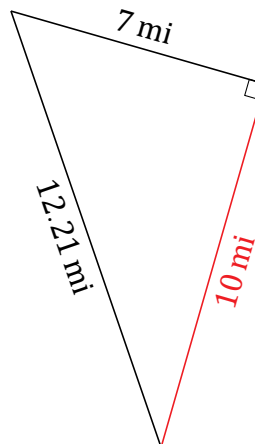
$$21^2 + b^2 = 31.52^2$$
$$b = \sqrt{993.5104 - 441}$$
$$b = 23.5 \text{ m}$$

5.



$$a^2 + 8.4^2 = 11.88^2$$
$$a = \sqrt{141.1344 - 70.56}$$
$$a = 8.4 \text{ m}$$

6.



$$7^2 + b^2 = 12.21^2$$
$$b = \sqrt{149.0841 - 49}$$
$$b = 10 \text{ mi}$$