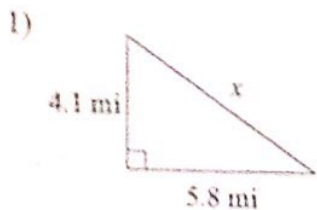


G1a: Pythagorean Theorem Practice

Find the missing side of each triangle. Round to two decimals, if necessary.

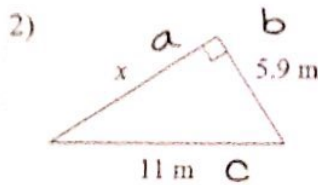


$$4.1^2 + 5.8^2 = x^2$$

$$16.81 + 33.64 = x^2$$

$$\sqrt{50.45} = \sqrt{x^2}$$

$$x = 7.10 \text{ mi}$$

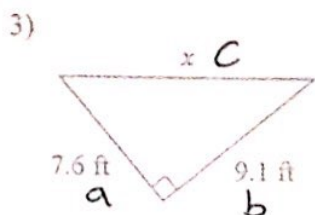


$$x^2 + 5.9^2 = 11^2$$

$$x^2 + 34.81 = 121$$

$$\begin{array}{r} x^2 + 34.81 = 121 \\ -34.81 \quad -34.81 \\ \hline \sqrt{x^2} = \sqrt{86.19} \end{array}$$

$$x = 9.28 \text{ m}$$

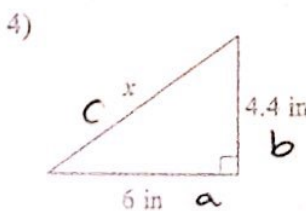


$$7.6^2 + 9.1^2 = x^2$$

$$57.76 + 82.81 = x^2$$

$$140.57 = x^2$$

$$11.86 = x \text{ ft}$$

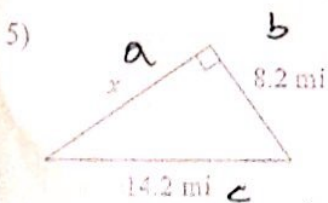


$$6^2 + 4.4^2 = x^2$$

$$36 + 19.36 = x^2$$

$$\sqrt{55.36} = \sqrt{x^2}$$

$$x = 7.44 \text{ in}$$

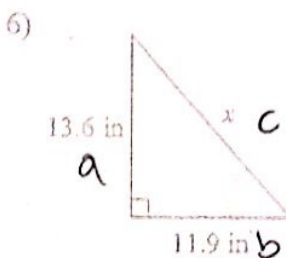


$$x^2 + 8.2^2 = 14.2^2$$

$$x^2 + 67.24 = 201.64$$

$$\begin{array}{r} x^2 + 67.24 = 201.64 \\ -67.24 \quad -67.24 \\ \hline \sqrt{x^2} = \sqrt{134.4} \end{array}$$

$$x = 11.59 \text{ mi}$$



$$13.6^2 + 11.9^2 = x^2$$

$$184.96 + 141.61 = x^2$$

$$\sqrt{326.57} = \sqrt{x^2}$$

$$x = 18.07 \text{ in}$$

4) 7.4 m

3) 11.9 m

2) 9.3 m
6) 18.1 m

5) 11.6 m
1) 7.1 m