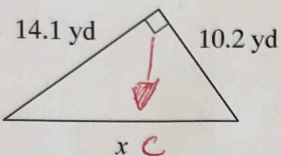


## Pythagorean Theorem Review - NOTES

Find the missing side of each triangle. Round your answers to the nearest tenth if necessary.

1)



$$a^2 + b^2 = c^2$$

$$14.1^2 + 10.2^2 = c^2$$

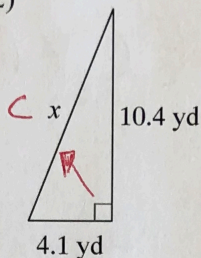
$$198.81 + 104.04 = c^2$$

$$302.85 = c^2$$

$$\sqrt{302.85} = c$$

$$17.40 = c$$

2)



$$a^2 + b^2 = c^2$$

$$4.1^2 + 10.4^2 = c^2$$

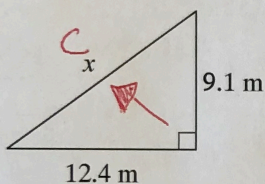
$$16.81 + 108.16 = c^2$$

$$124.97 = c^2$$

$$\sqrt{124.97} = c$$

$$11.18 = c$$

3)



$$a^2 + b^2 = c^2$$

$$12.4^2 + 9.1^2 = c^2$$

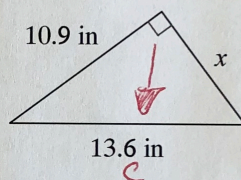
$$153.76 + 82.81 = c^2$$

$$236.57 = c^2$$

$$\sqrt{236.57} = c$$

$$15.38 = c$$

4)



$$a^2 + b^2 = c^2$$

$$x^2 + 10.9^2 = 13.6^2$$

$$x^2 + 118.81 = 184.96$$

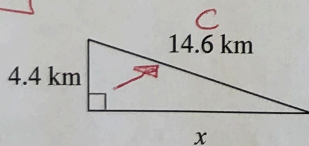
$$\begin{array}{r} -118.81 \\ \hline \end{array}$$

$$x^2 = 66.15$$

$$x = \sqrt{66.15}$$

$$x = 8.13$$

5)



$$a^2 + b^2 = c^2$$

$$x^2 + 4.4^2 = 14.6^2$$

$$x^2 + 19.36 = 213.16$$

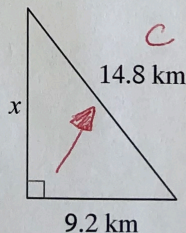
$$\begin{array}{r} -19.36 \\ \hline \end{array}$$

$$x^2 = 193.8$$

$$x = \sqrt{193.8}$$

$$x = 13.92$$

6)



$$a^2 + b^2 = c^2$$

$$x^2 + 9.2^2 = 14.8^2$$

$$x^2 + 84.64 = 219.04$$

$$\begin{array}{r} -84.64 \\ \hline \end{array}$$

$$x^2 = 134.4$$

$$x = \sqrt{134.4}$$

$$x = 11.59$$