



#1

Choose the best answer

If a triangle is 10 inches across the hypotenuse, and is 6 inches long, then how wide is it?

- 11 8
 5 9

Show your work

#2

Hannah takes a piece of plywood that is 8 inches long and uses a table saw to make a 10-inch cut from corner to opposite corner. What was the width of the piece of plywood?

inches

Show your work

#3

Alexa's room is 5 feet long and 12 feet wide, but her measuring tape isn't long enough to measure how big the room is from opposite corners. Calculate it for her.

feet

Show your work



#4

Brayden takes a piece of plywood that is 16 inches long and uses a table saw to make a 20-inch cut from corner to opposite corner. What was the width of the piece of plywood?

inches

Show your work

#5

What is the length of a triangle whose hypotenuse is 20 inches long, and height is 12 inches?

inches

Show your work

#6

Choose the best answer

What is the height of a triangle whose hypotenuse is 15 inches, and width is 12 inches?

12

6

9

7

Show your work



#7

Choose the best answer

If a box is 5 feet long by 12 feet wide, how wide of a picture frame could be put inside it of it diagonally?

- 16 13
 9 12

Show your work

#8

If a triangle is 17 inches across the hypotenuse, and is 15 inches long, then how wide is it?

inches

Show your work

#9

A playroom is 20 feet across diagonally, and 12 feet wide. How long is the playroom?

feet

Show your work



#10

If a window is 16 feet wide and the diagonal is 20 feet wide then how tall is the window?

feet

Show your work

#11

The supports of a radio tower are triangles. If the triangle is 13 feet long across the diagonal, and 12 feet wide then how high up does the triangle go?

inches

Show your work

#12

If a window is 12 feet wide and the diagonal is 13 feet wide then how tall is the window?

feet

Show your work

Question	Answer
#1	8
#2	6
#3	13
#4	12
#5	16
#6	9
#7	13
#8	8
#9	16
#10	12
#11	5
#12	5