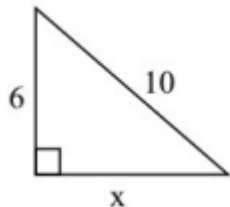# P.S. #11.2b - Pythagorean Theorem

Name: _____ Class: _____

Pair-Share with a Twist – You and your partner will each be working on two different worksheets. When you both complete your worksheet, you will have the same answers but in a different order. Match your answers to your partner's answers and help each other fix mistakes. If necessary, simplify the radical, unless otherwise indicated.
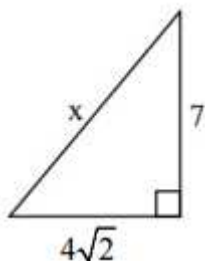
1.)

Answer:

_____

Matches:

_____

2.)

Answer:

_____

Matches:

_____
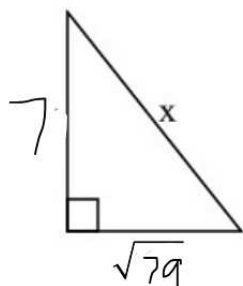
3.) A woman walked 23 feet east and 19 feet south to go from point X to point Y. If she were to walk directly from point X to point Y, what would the distance be rounded to the nearest foot?

Answer:

_____

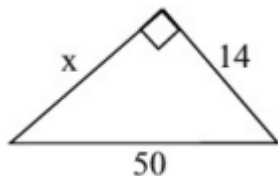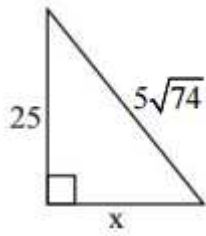Matches:

_____

4.)

Answer:

_____

Matches:

_____

5.)

Answer:

_____

Matches:

_____

6.)

Answer:

———

Matches:

———

7.) John takes a rectangular piece of fabric and cuts from one corner to the opposite corner. If one piece of fabric is 3 meters wide and 4 meters long, how long is the diagonal cut that John made?
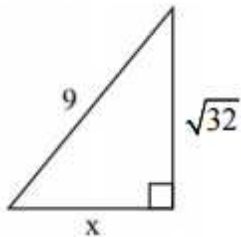
Answer:

———

Matches:

———

8.) What is the exact length of a diagonal of a square whose area is 81 square units?
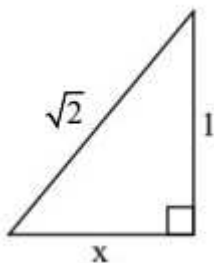
Answer:

———

Matches:

———

9.)

Answer:

———

Matches:

———

10.)

Answer:

———

Matches:

———

P.S. #11.2b - Pythagorean Theorem

Name: _____ Class: _____

Pair-Share with a Twist – You and your partner will each be working on two different worksheets. When you both complete your worksheet, you will have the same answers but in a different order. Match your answers to your partner's answers and help each other fix mistakes. If necessary, simplify the radical, unless otherwise indicated.

a.) Candice takes a rectangular piece of fabric and cuts from one corner to the opposite corner. If the diagonal is 17 inches and the length is 15 inches, what is the width of the fabric, in inches.
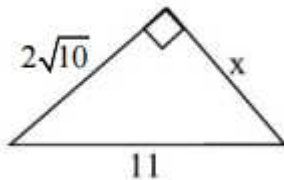
Answer:

_____

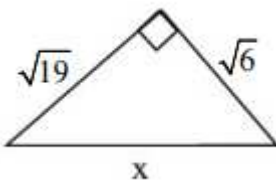Matches:

_____

b.)
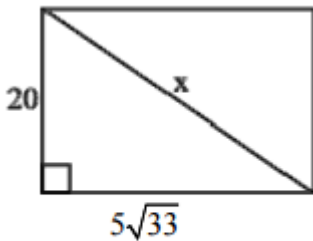
Answer:

_____

Matches:

_____

c.)
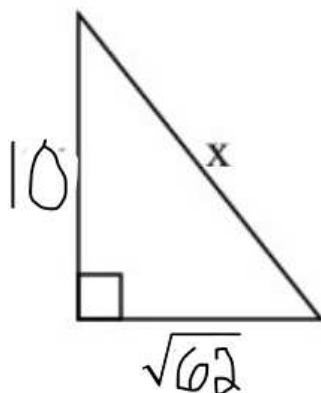

Answer:

_____

Matches:

_____

d.)

Answer:

_____

Matches:

_____

e.)

Answer:

_____

Matches:

_____

f.) What is the exact length of a diagonal of a square whose area is 64 square units?
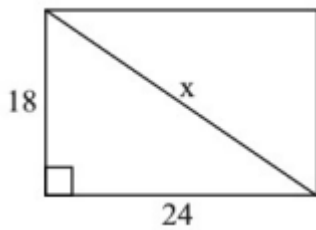
Answer:
_____

Matches:
_____

g.) A man walked 31 feet north and 37 feet west to get from point A to point B. If he were to walk directly from point A to point B, what would the distance be, rounded to the nearest foot?
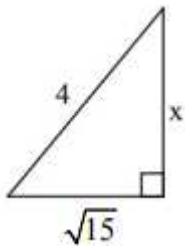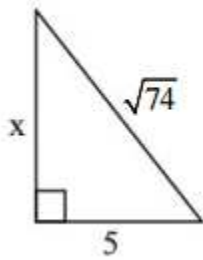
Answer:
_____

Matches:
_____

h.)

Answer:
_____

Matches:
_____

i.)

Answer:
_____

Matches:
_____

j.)

Answer:
_____

Matches:
_____