



Pythagorean Theorem

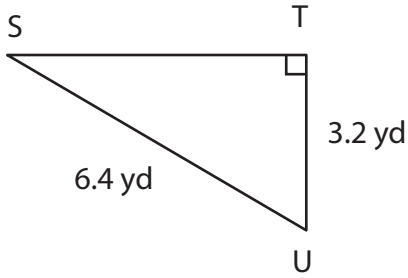
Name _____

Score _____

PT:18

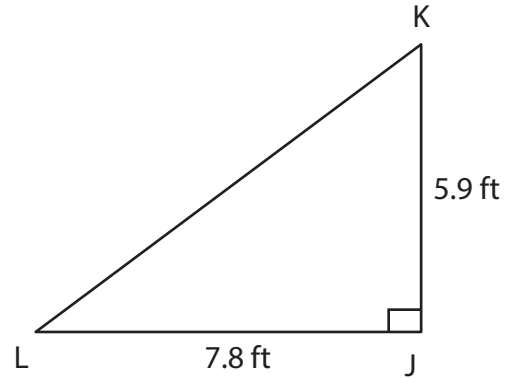
Find the missing side length of each right triangle by applying the Pythagorean theorem. Round the answer to nearest tenth place.

1)



ST =

2)



KL =

Find the missing side length where 'c' is the hypotenuse of a right triangle, a and b are two legs of a right triangle. Round the answer to the nearest tenth place.

1) a = 1.5 yd

2) a = 3.2 in

3) a = _____

b = _____

b = 5.6 in

b = 9.2 ft

c = 4.5 yd

c = _____

c = 13.5 ft

Complete the table. 'c' is the hypotenuse of a right triangle, a and b are two legs of a triangle. Round the answer to the nearest tenth place.

1)

a	b	c
15.2 in		18.8 in
6.5 ft	8.5 ft	
	1.9 in	3.7 in
4.6 yd	5.3 yd	

2)

a	b	c
	8.1 in	14.1 in
11.5 yd		16.7 yd
3.4 ft	7.1 ft	
1.3 in		6.2 in



Pythagorean Theorem

Name _____

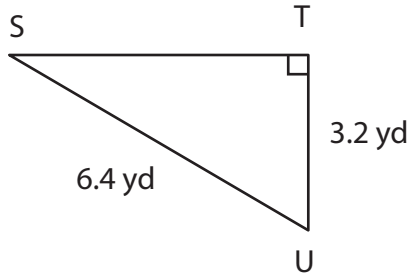
Score _____

Answer key

PT:18

Find the missing side length of each right triangle by applying the Pythagorean theorem. Round the answer to nearest tenth place.

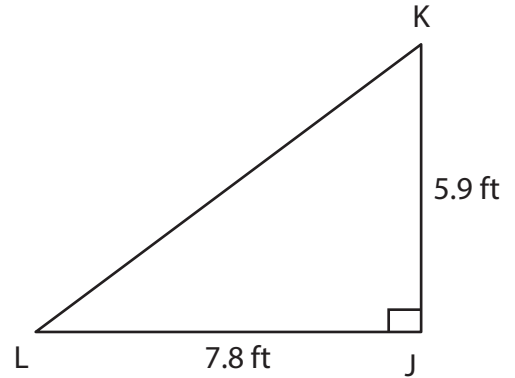
1)



ST =

5.5 yd

2)



KL =

9.8 ft

Find the missing side length where 'c' is the hypotenuse of a right triangle, a and b are two legs of a right triangle. Round the answer to the nearest tenth place.

1) a = 1.5 yd

2) a = 3.2 in

3) a = **9.9 ft**

b = **4.2 yd**

b = 5.6 in

b = 9.2 ft

c = 4.5 yd

c = **6.4 in**

c = 13.5 ft

Complete the table. 'c' is the hypotenuse of a right triangle, a and b are two legs of a triangle. Round the answer to the nearest tenth place.

1)

a	b	c
15.2 in	11.1 in	18.8 in
6.5 ft	8.5 ft	10.7 ft
3.2 in	1.9 in	3.7 in
4.6 yd	5.3 yd	7 yd

2)

a	b	c
11.5 in	8.1 in	14.1 in
11.5 yd	12.1 yd	16.7 yd
3.4 ft	7.1 ft	7.9 ft
1.3 in	6.1 in	6.2 in