



Pythagorean Theorem

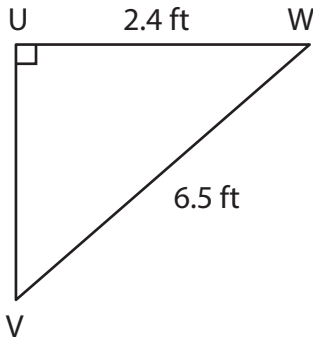
Name _____

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PT:17

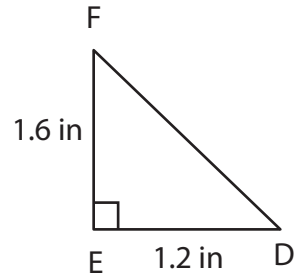
Find the missing side length of each right triangle by applying the Pythagorean theorem. Round the answer to nearest tenth place.

1)



UV =

2)



DF =

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 = 1.4 in

2) a = _____

3) a = 6.6 yd

b = 4.8 in

b = 7.7 ft

b = _____

c = _____

c = 10.5 ft

c = 12.2 yd

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
	2.7 ft	6.3 ft
1.2 in	2.4 in	
10.5 yd		16.5 yd
8.6 ft	9.1 ft	

2)

a	b	c
7.5 yd	3.5 yd	
	14.6 ft	17.3 ft
3.8 in	5.2 in	
	11.1 yd	13.9 yd



Pythagorean Theorem

Name _____

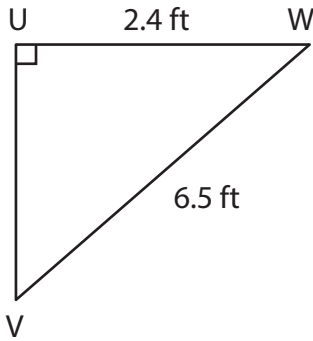
Score _____

Answer key

PT:17

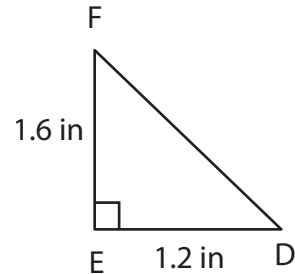
Find the missing side length of each right triangle by applying the Pythagorean theorem. Round the answer to nearest tenth place.

1)



UV = **6 ft**

2)



DF = **2 in**

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 = 1.4 in

2) a = **7.1 ft**

3) a = 6.6 yd

b = 4.8 in

b = 7.7 ft

b = **10.3 yd**

c = **5 in**

c = 10.5 ft

c = 12.2 yd

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
5.7 ft	2.7 ft	6.3 ft
1.2 in	2.4 in	2.7 in
10.5 yd	12.7 yd	16.5 yd
8.6 ft	9.1 ft	12.5 ft

2)

a	b	c
7.5 yd	3.5 yd	8.3 yd
9.3 ft	14.6 ft	17.3 ft
3.8 in	5.2 in	6.4 in
8.4 yd	11.1 yd	13.9 yd