Pythagorean Theorem

Name _____

Score _____

PT:20

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

1) a = 10.2 cm
b = 11.6 cm
c = _____

2) a = 8.1 mm
b = _____
c = 14.4 mm

3) a = _____
b = 5.5 m
c = 9.5 m

Complete the table.

1)

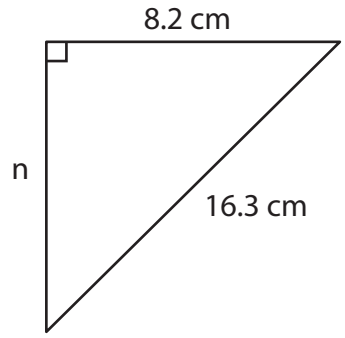
a	b	c
8.8 mm		15 mm
3.5 m	2.5 m	
	12.6 cm	17.5 cm
6.4 mm	7.9 mm	

2)

a	b	c
	13.3 m	16.6 m
10.7 cm	10.7 cm	
	1.3 mm	3.1 mm
5.7 cm		9.8 cm

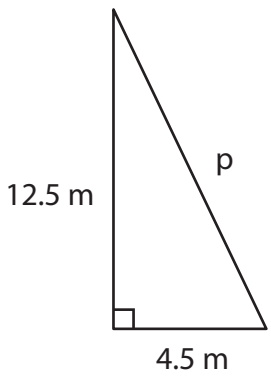
Find the missing side length of each right triangle.

1)



n = _____

2)



p = _____

Pythagorean Theorem

Name _____

Score _____

Answer key

PT:20

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

1) a = 10.2 cm
b = 11.6 cm
c = **15.4 cm**

2) a = 8.1 mm
b = **11.9 mm**
c = 14.4 mm

3) a = **7.7 m**
b = 5.5 m
c = 9.5 m

Complete the table.

1)

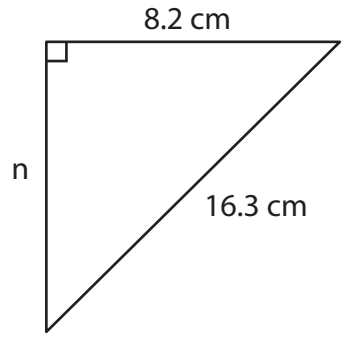
a	b	c
8.8 mm	**12.2 mm**	15 mm
3.5 m	2.5 m	**4.3 m**
12.2 cm	12.6 cm	17.5 cm
6.4 mm	7.9 mm	**10.2 mm**

2)

a	b	c
9.9 m	13.3 m	16.6 m
10.7 cm	10.7 cm	**15.1 cm**
2.8 mm	1.3 mm	3.1 mm
5.7 cm	**8 cm**	9.8 cm

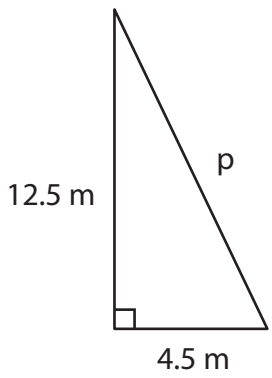
Find the missing side length of each right triangle.

1)



n = **14.1 cm**

2)



p = **13.3 m**