

Pythagorean Theorem HW

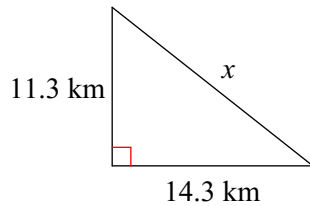
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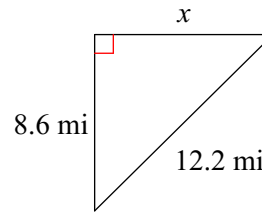
Date _____ Period _____

Find the missing side of each triangle. Round your answers to the nearest tenth if necessary.

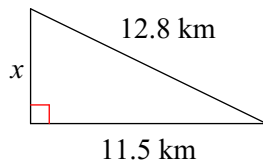
1)



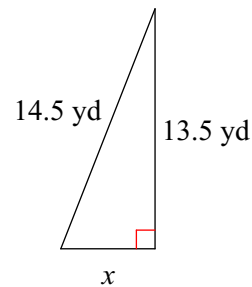
2)



3)



4)



Find the missing side of each right triangle. Side c is the hypotenuse. Sides a and b are the legs. Round your answers to the nearest tenth if necessary.

5) $a = 6.7$ ft, $b = 4.9$ ft

6) $a = 10.6$ yd, $c = 12.7$ yd

7) $b = 9.3$ m, $c = 13.5$ m

8) $b = 12$ m, $c = 15.8$ m

State if the three sides lengths form a right triangle.

9) 6 mi, 8 mi, 11 mi

10) 6 cm, 8 cm, 10 cm

11) 5 in, 12 in, 13 in

12) 13 ft, 12 ft, 15 ft

Pythagorean Theorem HW

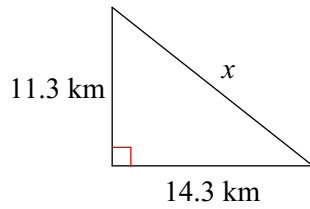
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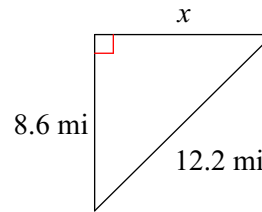
Find the missing side of each triangle. Round your answers to the nearest tenth if necessary.

1)



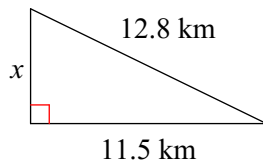
18.2 km

2)



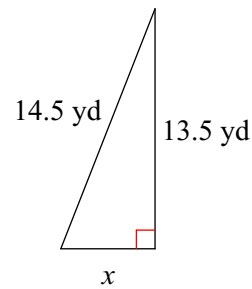
8.7 mi

3)



5.6 km

4)



5.3 yd

Find the missing side of each right triangle. Side c is the hypotenuse. Sides a and b are the legs. Round your answers to the nearest tenth if necessary.

5) $a = 6.7$ ft, $b = 4.9$ ft

8.3 ft

6) $a = 10.6$ yd, $c = 12.7$ yd

7 yd

7) $b = 9.3$ m, $c = 13.5$ m

9.8 m

8) $b = 12$ m, $c = 15.8$ m

10.3 m

State if the three sides lengths form a right triangle.

9) 6 mi, 8 mi, 11 mi

No

10) 6 cm, 8 cm, 10 cm

Yes

11) 5 in, 12 in, 13 in

Yes

12) 13 ft, 12 ft, 15 ft

No