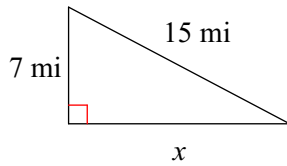


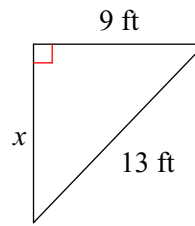
## Pythagorean Theorem HW

Find the missing side of each triangle. Leave your answers in simplest RADICAL form.

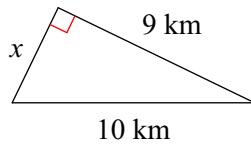
1)



2)

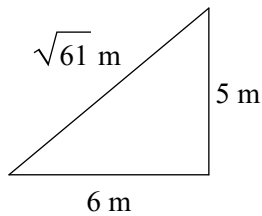


3)

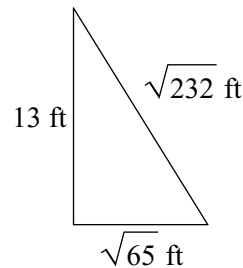


State if each triangle is a right triangle.

4)

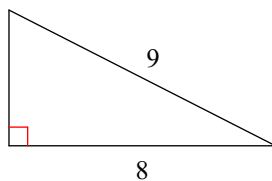


5)



Find the area of each triangle. Round intermediate values to the nearest tenth. Use the rounded values to calculate the next value. Round your final answer to the nearest tenth.

6)



Simplify.

7)  $\sqrt[5]{192b^6}$

8)  $\sqrt{45a}$

9)  $\sqrt{448x^2}$

10)  $\sqrt[4]{96x^4}$

## Answers to Pythagorean Theorem HW

1)  $4\sqrt{11}$  mi

5) No

9)  $8x\sqrt{7}$

2)  $2\sqrt{22}$  ft

6) 16.4

10)  $2x\sqrt[4]{6}$

3)  $\sqrt{19}$  km

7)  $2b\sqrt[5]{6b}$

4) Yes

8)  $3\sqrt{5a}$