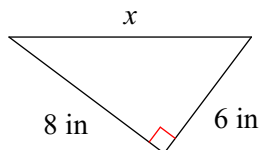


# 3-1 Pythagorean Theorem

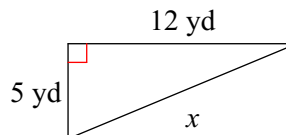
## Missing Hypotenuse

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

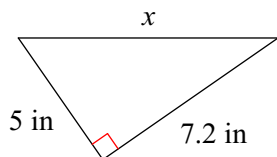
1)



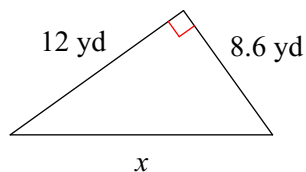
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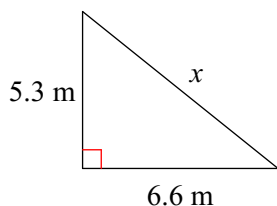
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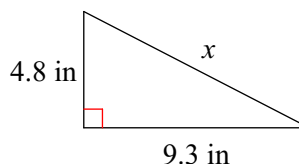
4)



5)

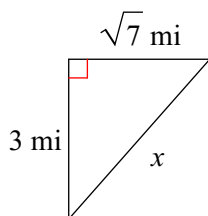


6)

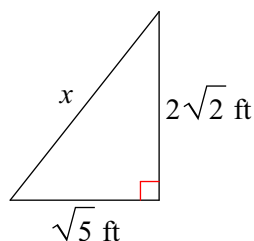


Find the missing side of each triangle. (a) Leave your answers in simplest radical form. (b) and rounded to nearest tenth.

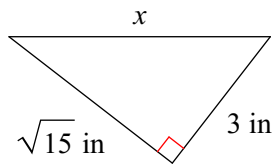
7)



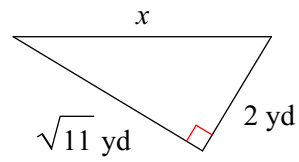
8)



9)

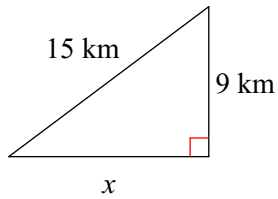


10)

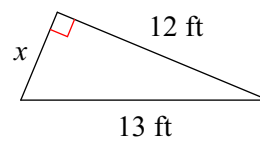


**Find the missing side of each triangle. Round your answers to the nearest tenth if necessary.**

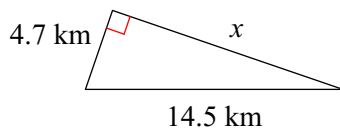
11)



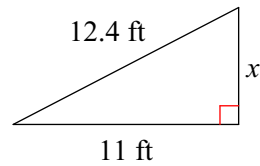
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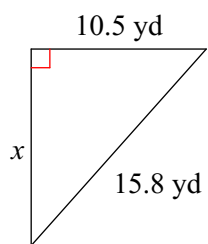
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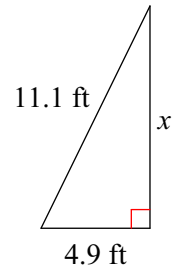
14)



15)

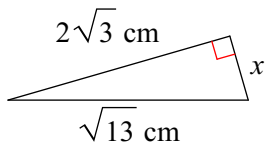


16)

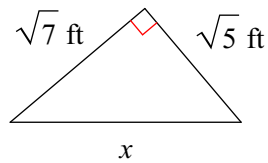


**Find the missing side of each triangle. Leave your answers in simplest radical form.**

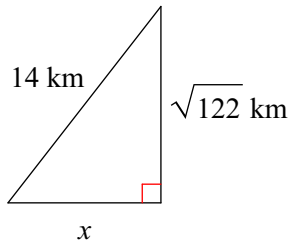
17)



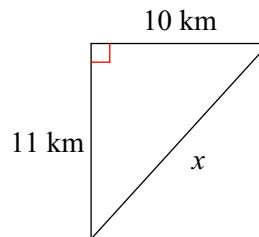
18)



19)



20)



**Find the missing side of each right triangle. Side  $c$  is the hypotenuse. Sides  $a$  and  $b$  are the legs. Leave your answers in simplest radical form, and round to the nearest tenth.**

21)  $a = 5$  mi,  $b = 8$  mi

22)  $a = 13$  ft,  $b = 5$  ft

23)  $b = 6$  km,  $c = 12$  km

24)  $a = 10$  km,  $c = 12$  km

25)  $a = 4$  in,  $b = 12$  in

26)  $a = 6$  yd,  $c = 16$  yd