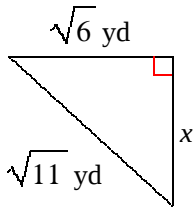


Quarter 2 Week 4 Practice Worksheet

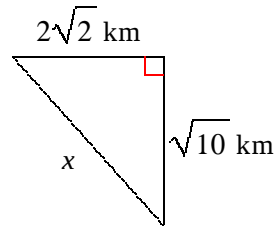
Date _____ Period _____

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

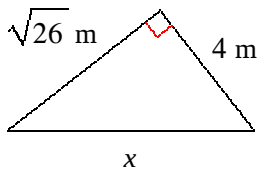
1)



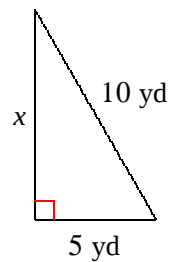
2)



3)



4)

**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.**

5) $b = 14$ m, $c = 16$ m

6) $a = \sqrt{170}$ ft, $c = 16$ ft

State if the three sides lengths form a right triangle.

7) 3, $3\sqrt{15}$, 12

8) 10, $2\sqrt{11}$, 12

9) 6, $6\sqrt{3}$, 12

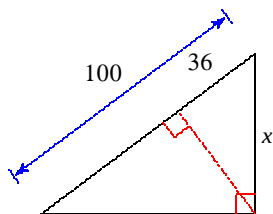
10) $\sqrt{5}$, $2\sqrt{2}$, $\sqrt{17}$

11) 5, 3, $5\sqrt{2}$

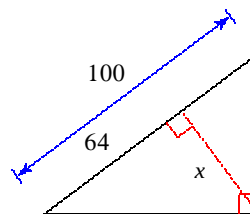
12) $\sqrt{6}$, $\sqrt{6}$, $2\sqrt{3}$

Find the missing length indicated. Leave your answer in simplest radical form.

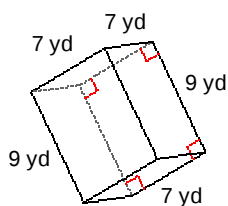
13)



14)

**Find the surface area of each figure. Round your answers to the nearest tenth, if necessary.**

15)



16)

