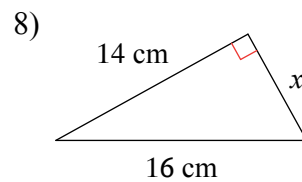
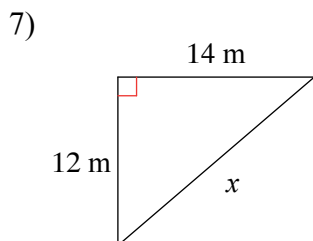
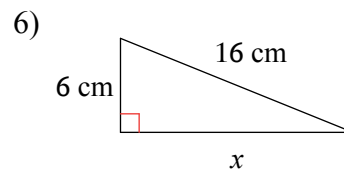
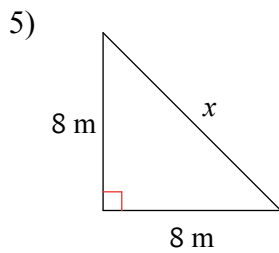
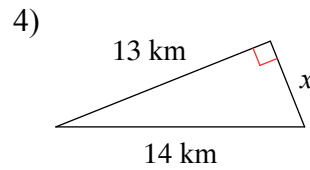
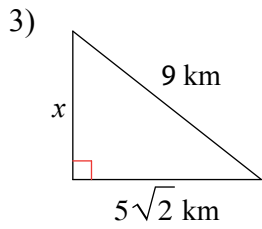
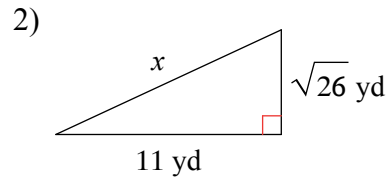
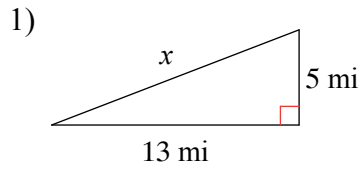
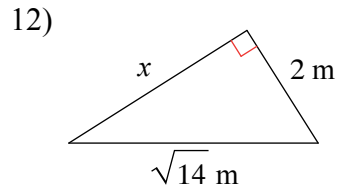
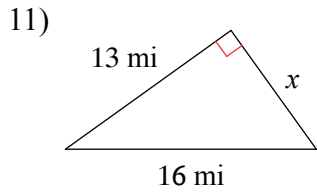
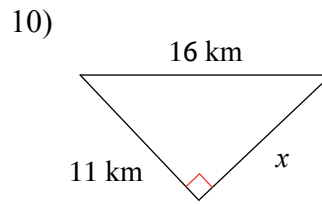
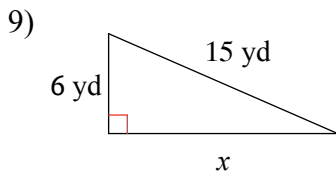


Pythagorean Theorem WS

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





State if each triangle is a right triangle. Show the work to justify your answer.

13) 7 cm, 8 cm, $\sqrt{113}$ cm

14) 5 m, $\sqrt{41}$ m, 4 m

15) 15 cm, 1 cm, $10\sqrt{2}$ cm

16) $2\sqrt{14}$ yd, 13 yd, 15 yd

17) 7 mi, 14 mi, $7\sqrt{5}$ mi

18) $\sqrt{58}$ ft, 8 ft, $\sqrt{124}$ ft

19) 8 ft, $\sqrt{182}$ ft, 11 ft

20) $\sqrt{10}$ in, $\sqrt{11}$ in, $\sqrt{21}$ in

21) $5\sqrt{3}$ cm, $\sqrt{26}$ cm, 7 cm

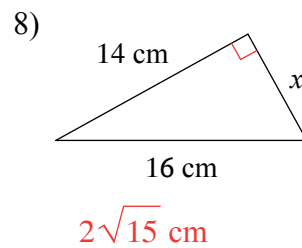
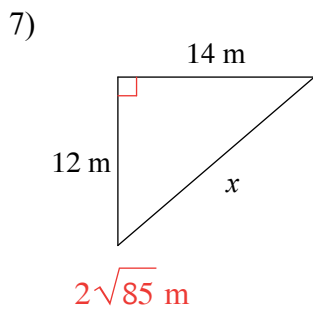
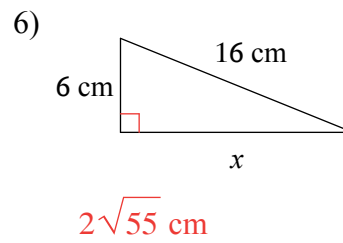
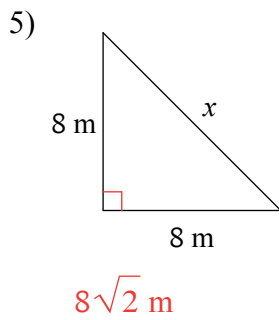
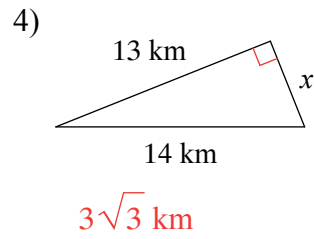
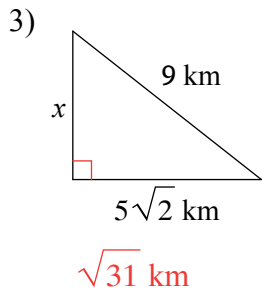
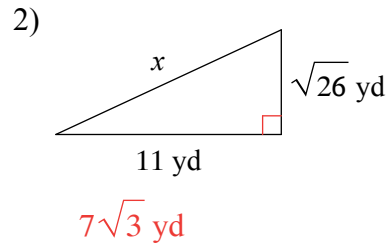
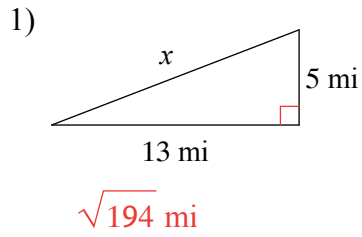
22) $2\sqrt{22}$ in, 9 in, 13 in

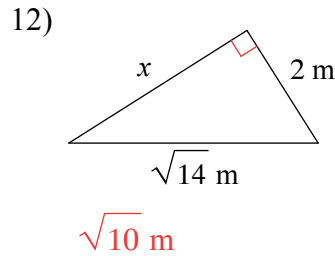
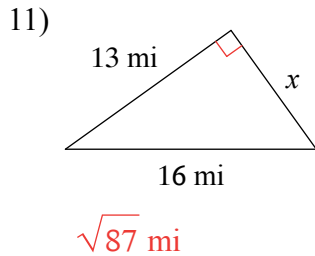
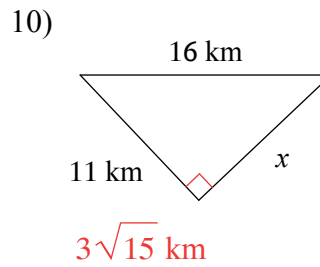
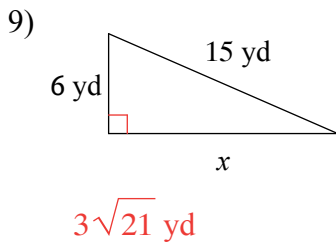
23) 6 in, 7 in, $\sqrt{74}$ in

24) $\sqrt{60}$ cm, 8 cm, 11 cm

Pythagorean Theorem WS

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





State if each triangle is a right triangle. Show the work to justify your answer.

13) 7 cm, 8 cm, $\sqrt{113}$ cm
 Yes

14) 5 m, $\sqrt{41}$ m, 4 m
 Yes

15) 15 cm, 1 cm, $10\sqrt{2}$ cm
 No

16) $2\sqrt{14}$ yd, 13 yd, 15 yd
 Yes

17) 7 mi, 14 mi, $7\sqrt{5}$ mi
 Yes

18) $\sqrt{58}$ ft, 8 ft, $\sqrt{124}$ ft
 No

19) 8 ft, $\sqrt{182}$ ft, 11 ft
 No

20) $\sqrt{10}$ in, $\sqrt{11}$ in, $\sqrt{21}$ in
 Yes

21) $5\sqrt{3}$ cm, $\sqrt{26}$ cm, 7 cm
 Yes

22) $2\sqrt{22}$ in, 9 in, 13 in
 Yes

23) 6 in, 7 in, $\sqrt{74}$ in
 No

24) $\sqrt{60}$ cm, 8 cm, 11 cm
 No