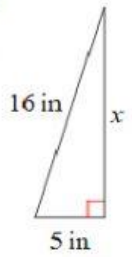
Unit 1 Retake Name_____ ID: 1

Worksheet 1: Pythagorean Theorem

Date_____ Period____

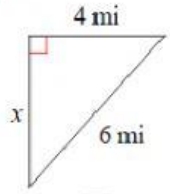
Find the missing side of each triangle. Leave your answers in simplest radical form.

1)



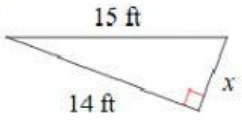
A) $\sqrt{487}$ in B) $\sqrt{281}$ in
C) $\sqrt{231}$ in D) $\sqrt{206}$ in

2)



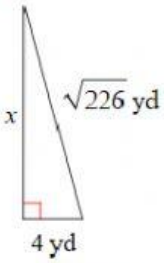
A) $2\sqrt{13}$ mi B) 2 mi
C) $2\sqrt{14}$ mi D) $2\sqrt{5}$ mi

3)



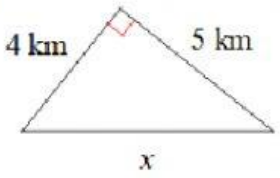
A) $\sqrt{29}$ ft B) $\sqrt{254}$ ft
C) $\sqrt{167}$ ft D) $\sqrt{421}$ ft

4)



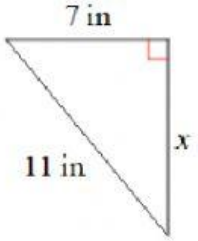
A) $\sqrt{194}$ yd B) $11\sqrt{2}$ yd
C) $\sqrt{210}$ yd D) $2\sqrt{109}$ yd

5)



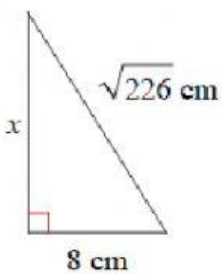
A) $\sqrt{66}$ km B) $\sqrt{57}$ km
C) 3 km D) $\sqrt{41}$ km

6)



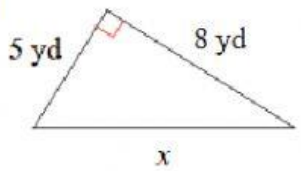
A) $\sqrt{23}$ in B) $\sqrt{170}$ in
C) $\sqrt{193}$ in D) $6\sqrt{2}$ in

7)



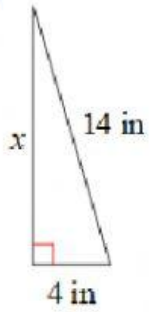
A) $7\sqrt{2}$ cm B) $2\sqrt{97}$ cm
C) $9\sqrt{2}$ cm D) $\sqrt{290}$ cm

8)



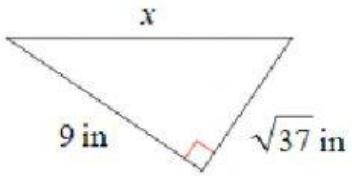
A) $3\sqrt{17}$ yd B) $\sqrt{114}$ yd
C) $\sqrt{39}$ yd D) $\sqrt{89}$ yd

9)



A) $2\sqrt{53}$ in B) $2\sqrt{94}$ in
C) $6\sqrt{5}$ in D) $2\sqrt{41}$ in

10)



A) $\sqrt{199}$ in B) $\sqrt{118}$ in
C) $\sqrt{155}$ in D) $2\sqrt{11}$ in

State if the three sides lengths form a right triangle.

11) 6 km, 8 km, 10 km
A) No B) Yes

12) 5 km, 8 km, 10 km
A) Yes B) No

13) 9 cm, 12 cm, 19 cm
A) No B) Yes

14) 5 cm, 12 cm, 13 cm
A) Yes B) No

15) 6 km, 9 km, 10 km
A) No B) Yes