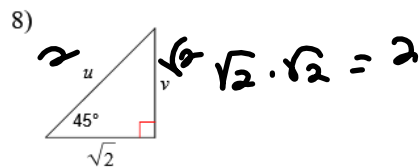
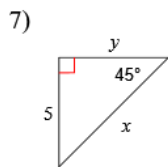
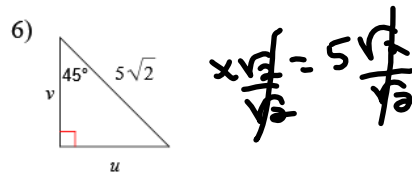
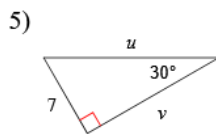
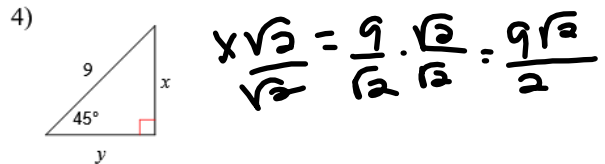
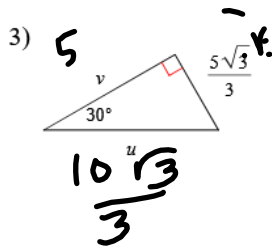
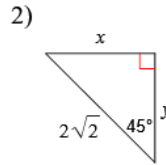
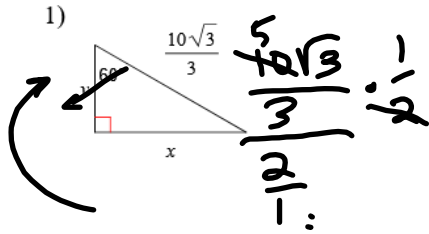


Geometry

Name _____ ID: 1

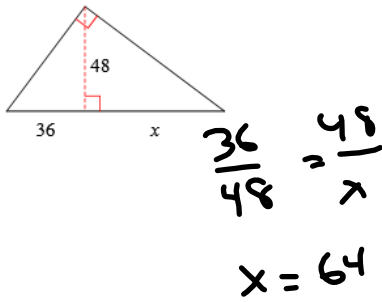
Review- Section 8.1-8.3

Find the missing side lengths. Leave your answers as radicals in simplest form.

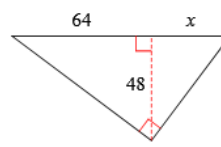


Find the missing length indicated. Leave your answer in simplest radical form.

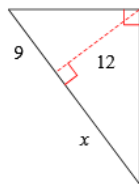
9)



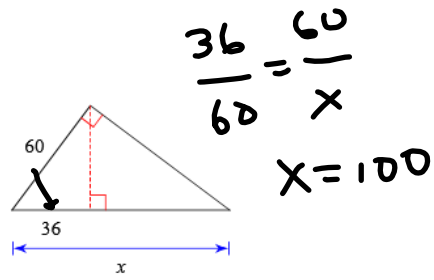
10)



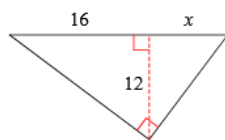
11)



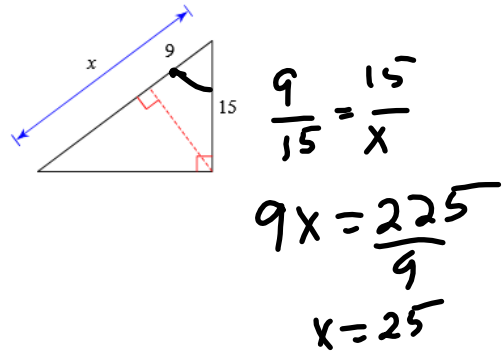
12)



13)

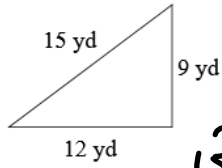


14)



State if each triangle is acute, obtuse, or right.

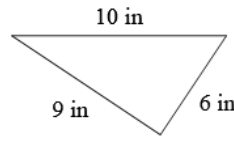
15)



$$15^2 = 12^2 + 9^2$$

right Δ

16)

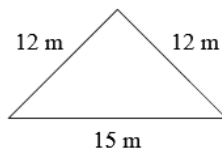


$$10^2 < 9^2 + 6^2$$

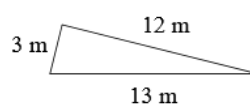
$$100 < 81 + 36$$

ACUTE Δ

17)



18)

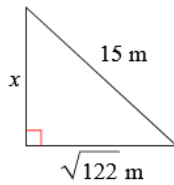


$$13^2 > 12^2 + 3^2$$

obtuse Δ

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

19)

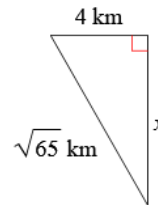


$$15^2 = x^2 + \sqrt{122}^2$$

$$225 = x^2 + 122$$

$$103 = x^2 \quad x = \sqrt{103}$$

20)

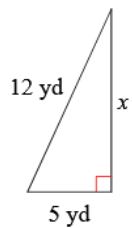


$$\sqrt{65}^2 = 4^2 + x^2$$

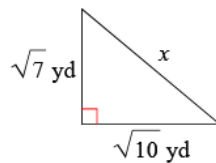
$$65 - 16 = x^2$$

$$49 = x^2 \quad x = 7$$

21)

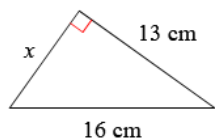


22)

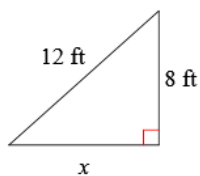


$$\begin{aligned} x^2 &= 7 + 10 \\ x^2 &= 17 \\ x &= \sqrt{17} \end{aligned}$$

23)



24)



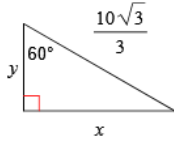
Geometry

Name _____ ID: 1

Review- Section 8.1-8.3

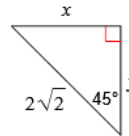
Find the missing side lengths. Leave your answers as radicals in simplest form.

1)



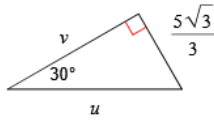
$$x = 5, y = \frac{5\sqrt{3}}{3}$$

2)



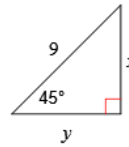
$$x = 2, y = 2$$

3)



$$u = \frac{10\sqrt{3}}{3}, v = 5$$

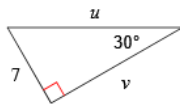
4)



$$x \sqrt{2} = \frac{9 \sqrt{2}}{\sqrt{2}} = \frac{9\sqrt{2}}{2}$$

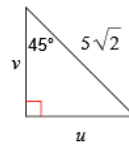
$$x = \frac{9\sqrt{2}}{2}, y = \frac{9\sqrt{2}}{2}$$

5)



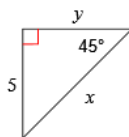
$$u = 14, v = 7\sqrt{3}$$

6)



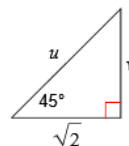
$$u = 5, v = 5$$

7)



$$x = 5\sqrt{2}, y = 5$$

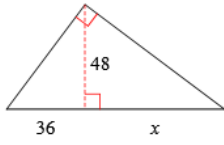
8)



$$u = 2, v = \sqrt{2}$$

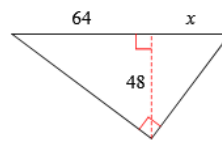
Find the missing length indicated. Leave your answer in simplest radical form.

9)



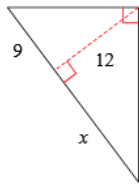
64

10)



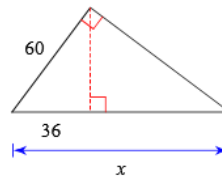
36

11)



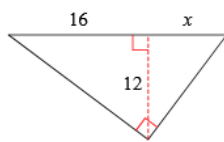
16

12)



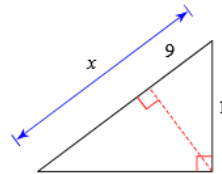
100

13)



9

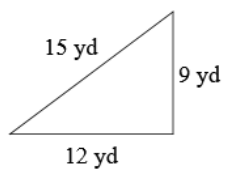
14)



25

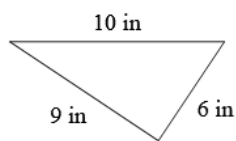
State if each triangle is acute, obtuse, or right.

15)



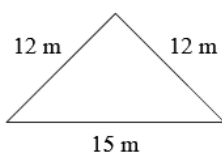
Right

16)



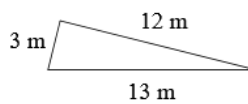
Acute

17)



Acute

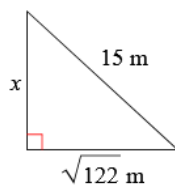
18)



Obtuse

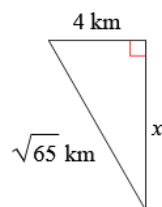
Find the missing side of each triangle. Leave your answers in simplest radical form.

19)



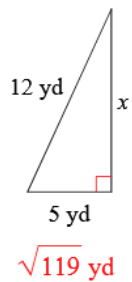
$\sqrt{103}$ m

20)

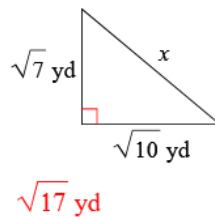


7 km

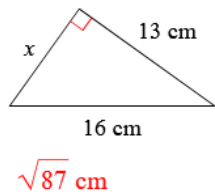
21)



22)



23)



24)

