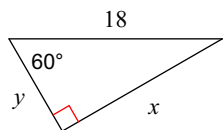


Unit 7.5 Special Right Triangles PRACTICE

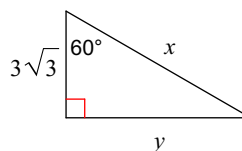
Find the missing side lengths. Leave your answers as radicals in simplest form.

1)



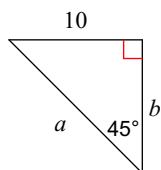
$$x = 9\sqrt{3}, y = 9$$

2)



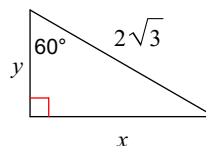
$$x = 6\sqrt{3}, y = 9$$

3)



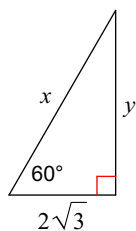
$$a = 10\sqrt{2}, b = 10$$

4)



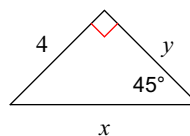
$$x = 3, y = \sqrt{3}$$

5)



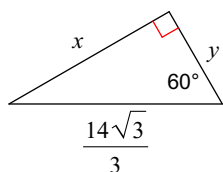
$$x = 4\sqrt{3}, y = 6$$

6)



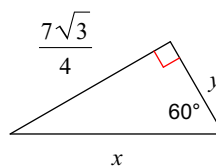
$$x = 4\sqrt{2}, y = 4$$

7)



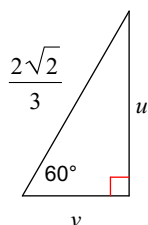
$$x = 7, y = \frac{7\sqrt{3}}{3}$$

8)



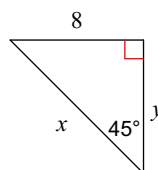
$$x = \frac{7}{2}, y = \frac{7}{4}$$

9)



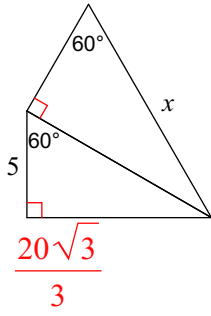
$$u = \frac{\sqrt{6}}{3}, v = \frac{\sqrt{2}}{3}$$

10)

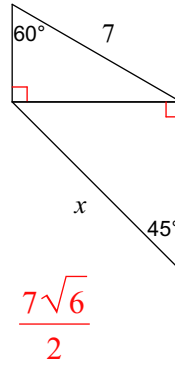


$$x = 8\sqrt{2}, y = 8$$

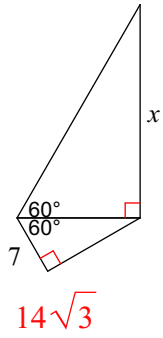
11)



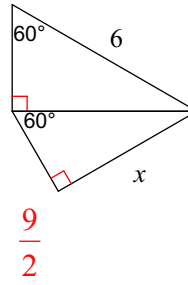
12)



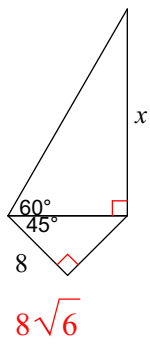
13)



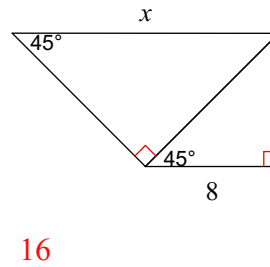
14)



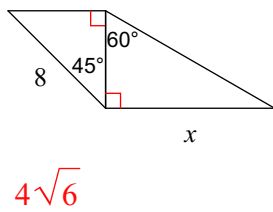
15)



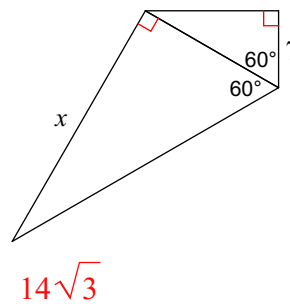
16)



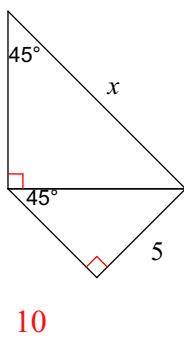
17)



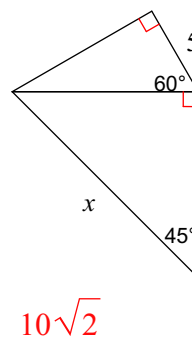
18)



19)



20)



10

$10\sqrt{2}$