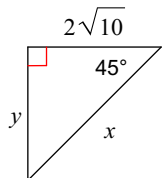


Special Right Triangles ADDITIONAL Practice

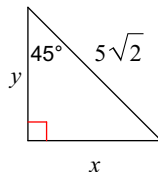
Find the missing side lengths. Leave your answers as radicals in simplest form.

1)



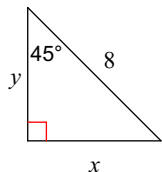
$x = 4\sqrt{5}, y = 2\sqrt{10}$

2)



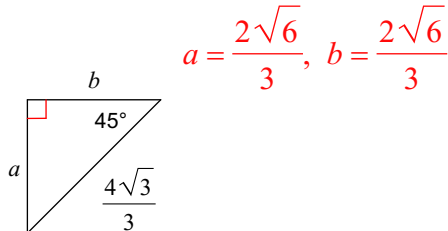
$x = 5, y = 5$

3)



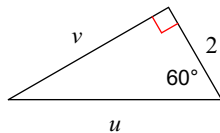
$x = 4\sqrt{2}, y = 4\sqrt{2}$

4)



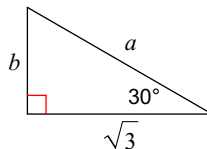
$a = \frac{2\sqrt{6}}{3}, b = \frac{2\sqrt{6}}{3}$

5)



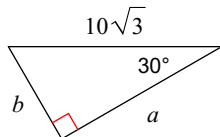
$u = 4, v = 2\sqrt{3}$

6)



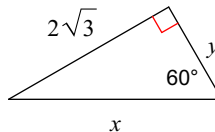
$a = 2, b = 1$

7)



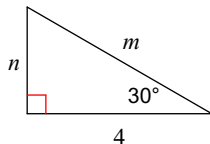
$a = 15, b = 5\sqrt{3}$

8)



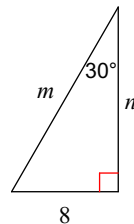
$x = 4, y = 2$

9)



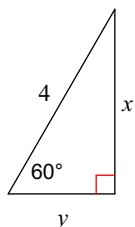
$m = \frac{8\sqrt{3}}{3}, n = \frac{4\sqrt{3}}{3}$

10)



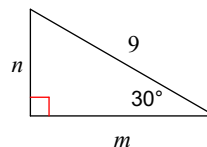
$m = 16, n = 8\sqrt{3}$

11)



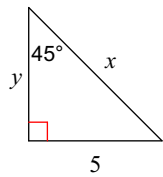
$x = 2\sqrt{3}, y = 2$

12)



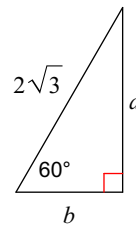
$m = \frac{9\sqrt{3}}{2}, n = \frac{9}{2}$

13)



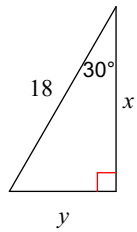
$$x = 5\sqrt{2}, y = 5$$

14)



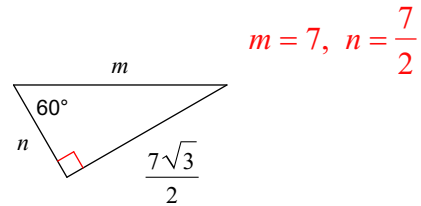
$$a = 3, b = \sqrt{3}$$

15)



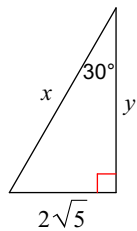
$$x = 9\sqrt{3}, y = 9$$

16)



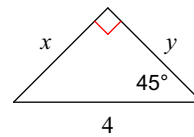
$$m = 7, n = \frac{7}{2}$$

17)



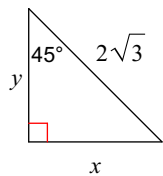
$$x = 4\sqrt{5}, y = 2\sqrt{15}$$

18)



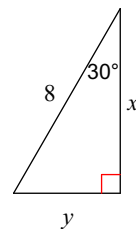
$$x = 2\sqrt{2}, y = 2\sqrt{2}$$

19)



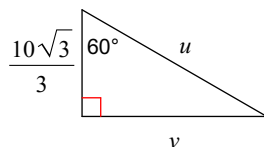
$$x = \sqrt{6}, y = \sqrt{6}$$

20)



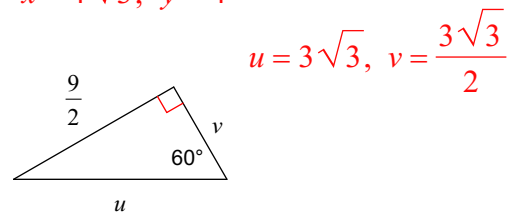
$$x = 4\sqrt{3}, y = 4$$

21)



$$u = \frac{20\sqrt{3}}{3}, v = 10$$

22)



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