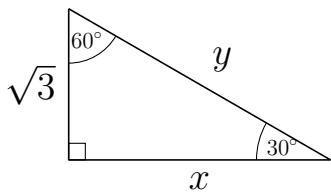


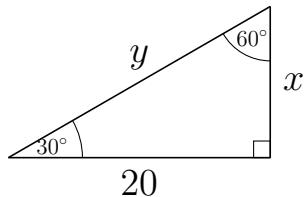
1. Find the value of the variables:

a.



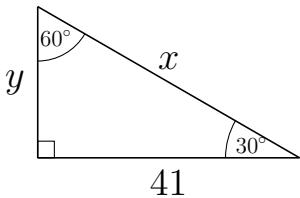
Ans: $x = 3$, $y = 2\sqrt{3}$

b.



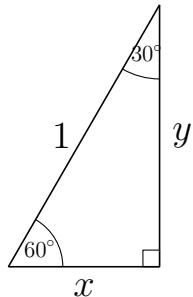
Ans: $x = \frac{20}{\sqrt{3}}$, $y = \frac{40}{\sqrt{3}}$

c.



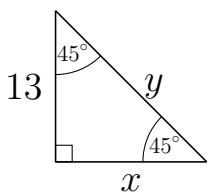
Ans: $x = \frac{82}{\sqrt{3}}$, $y = \frac{41}{\sqrt{3}}$

d.



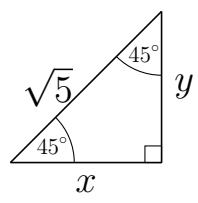
Ans: $x = \frac{1}{2}$, $y = \frac{\sqrt{3}}{2}$

e.



Ans: $x = 13$, $y = 13\sqrt{2}$

f.



$$\text{Ans: } x = \frac{\sqrt{5}}{\sqrt{2}}, y = \frac{\sqrt{5}}{\sqrt{2}}$$