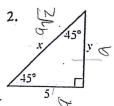
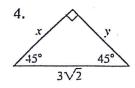
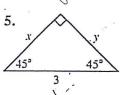
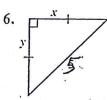
Find the missing lengths x and y.

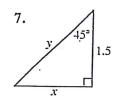


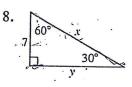
3. x 45° y 45° \\ \frac{3}{2}

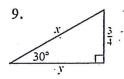


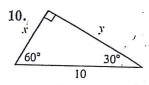


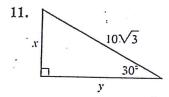


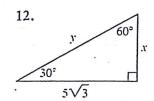


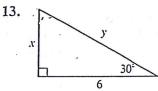








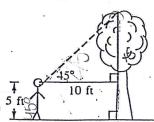




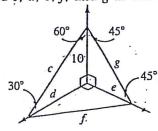
14. How far up the side of the house will this 18-ft ladder touch if the measure of ∠A is 45? 60?30? Give answers in simplified radical form and in decimal form to the nearest hundredth.



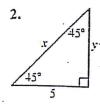
21. Find the height of the tree.



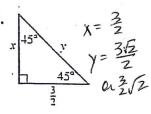
22. Find c, d, e, f, and g in this corner.

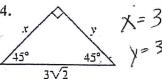


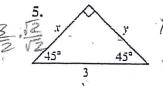
Find the missing lengths x and y.

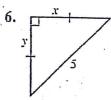


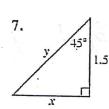




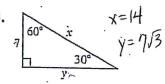


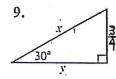




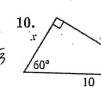


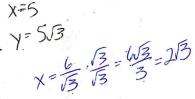
$$y = 1.5\sqrt{2}$$
or $\frac{3\sqrt{2}}{2}$



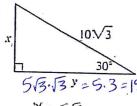


X=3



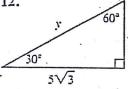


11.



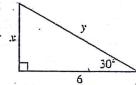
X= 5/3

12.



x=5

13.

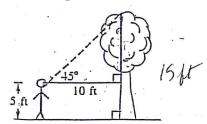


9pt

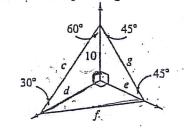
14. How far up the side of the house will this 18-ft ladder touch if the measure of $\angle A$ is 45? 60? 30? Give answers in simplified radical form and in decimal form to the nearest hundredth.



21. Find the height of the tree.



22. Find c, d, e, f, and g in this corner.



C=20