Find the missing lengths x and y.

2. 45° y

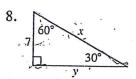
3. x 45° y 45° 2

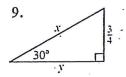
4. y 45° 3√2

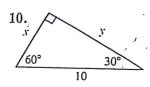
5. y 45° 45°

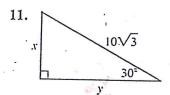
6. 4

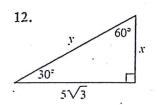
7. y 45° 1.5

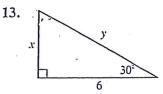








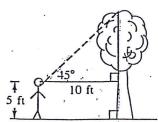




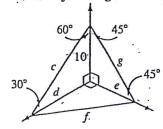
14. How far up the side of the house will this 18-ft ladder touch if the measure of ∠A is 45? 60?30? Give answers in simplified radical form and in decimal form to the nearest hundredth.



21. Find the height of the tree.



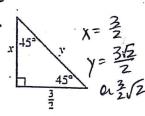
22. Find c, d, e, f, and g in this corner.



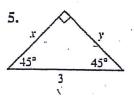
Find the missing lengths x and y.



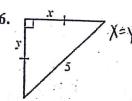
X=5V2 y=5



4. $\chi = 3$ 45° $\chi = 3$ $3\sqrt{2}$

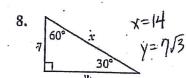


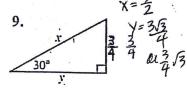
X=352 Y=352



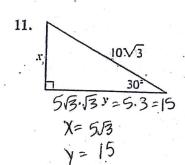
7.

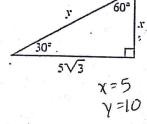
x = 1.5 $y = 1.5\sqrt{2}$ $0.3\sqrt{2}$



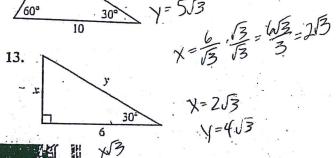


10. $x = 5\sqrt{30}$

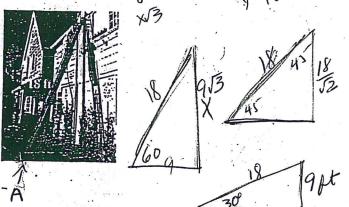




12.



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.

