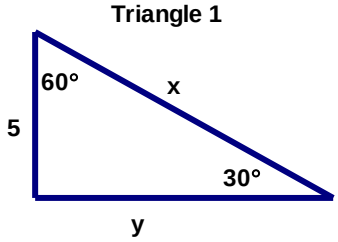
8-4 30-60-90 Right Triangles and 45-45 Right Triangles

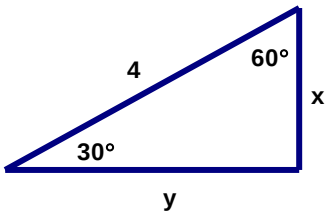
Name: _____ Time› Start: _____ Finish: _____ Total Time = _____

Find the missing values of x and y in the triangles below. Make sure you rationalize the denominator if needed.

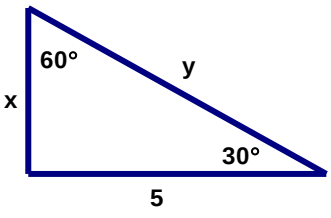
Triangle 1



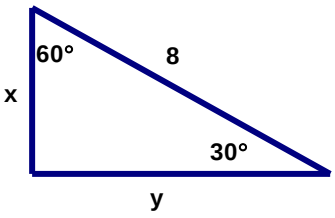
Triangle 2



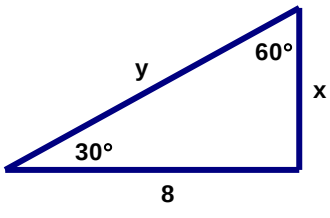
Triangle 3



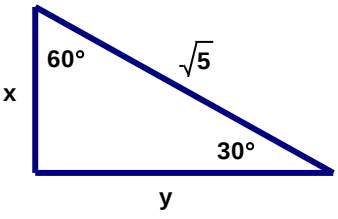
Triangle 4



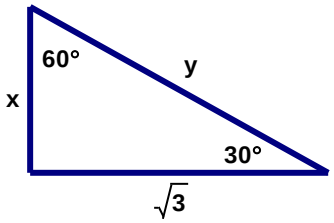
Triangle 5



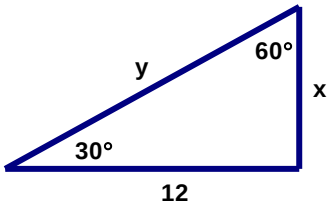
Triangle 6



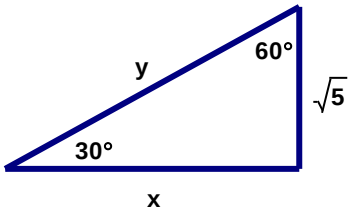
Triangle 7



Triangle 8

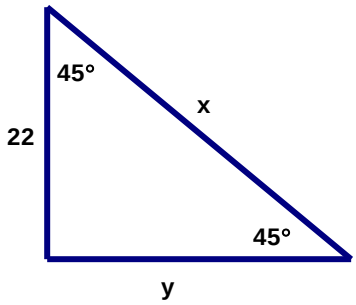


Triangle 9

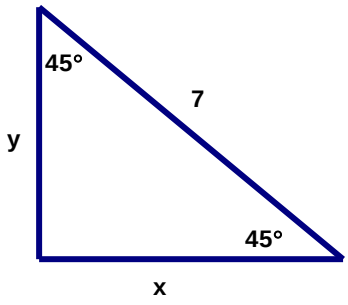


1. x = _____ y = _____
2. x = _____ y = _____
3. x = _____ y = _____
4. x = _____ y = _____
5. x = _____ y = _____
6. x = _____ y = _____
7. x = _____ y = _____
8. x = _____ y = _____
9. x = _____ y = _____

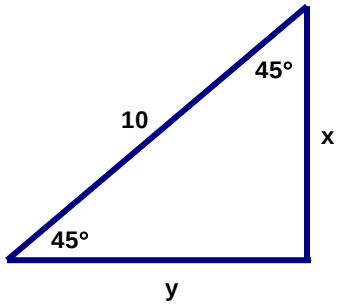
Triangle 10



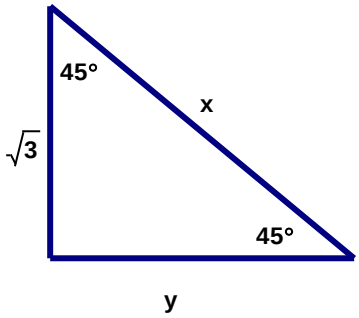
Triangle 11



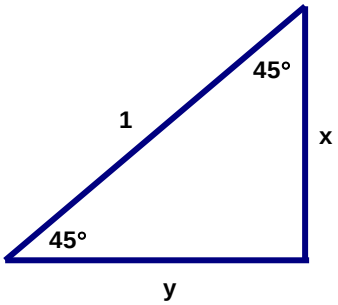
Triangle 12



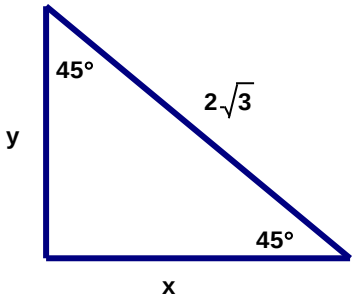
Triangle 13



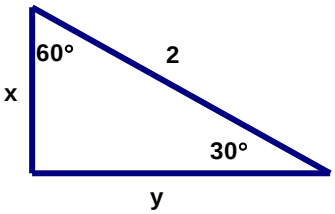
Triangle 14



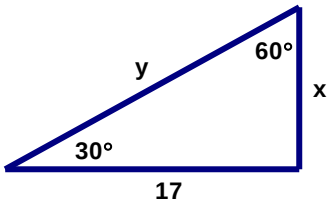
Triangle 15



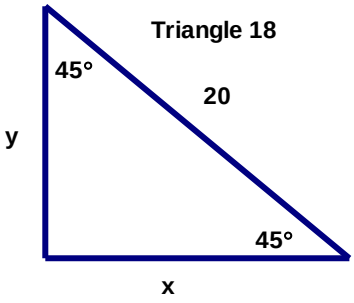
Triangle 16



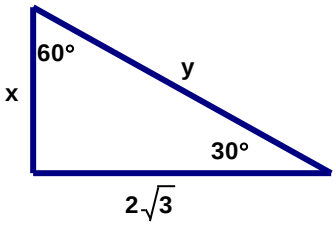
Triangle 17



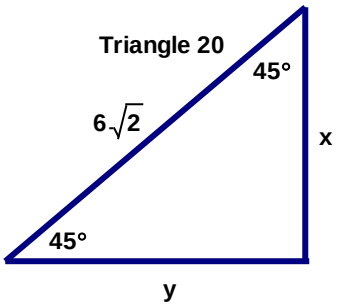
Triangle 18



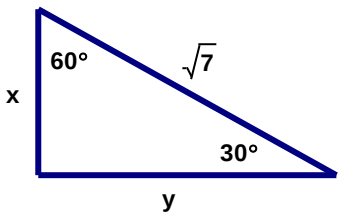
Triangle 19



Triangle 20



Triangle 21



10. x = _____ y = _____

11. x = _____ y = _____

12. x = _____ y = _____

13. x = _____ y = _____

14. x = _____ y = _____

15. x = _____ y = _____

16. x = _____ y = _____

17. x = _____ y = _____

18. x = _____ y = _____

19. x = _____ y = _____

20. x = _____ y = _____

21 x = _____ y = _____