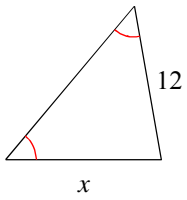


3.1-3.2 Isosceles and Equilateral Triangles

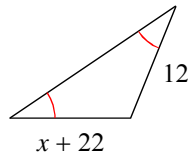
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Find the value of x .

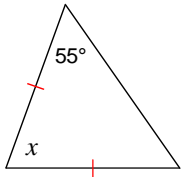
1)



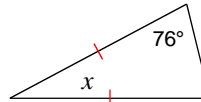
2)



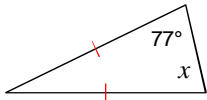
3)



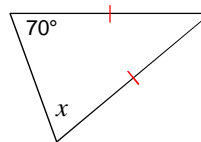
4)



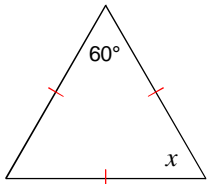
5)



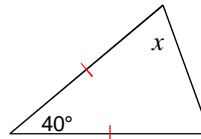
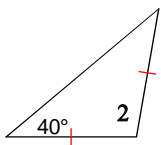
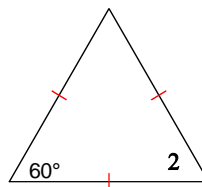
6)



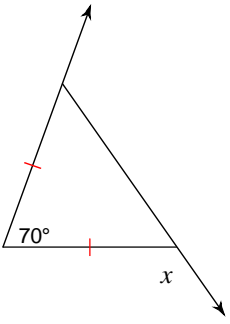
7)



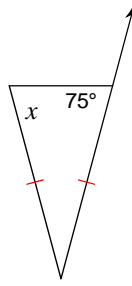
8)

9) $m\angle 2 = 112 + x$ 10) $m\angle 2 = -3 + 7x$ 

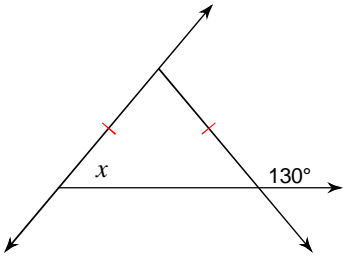
11)



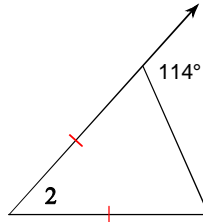
12)



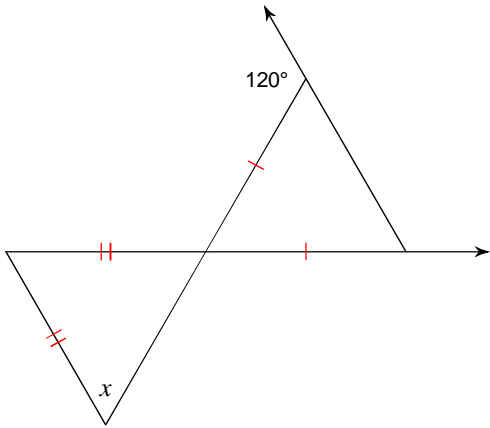
13)



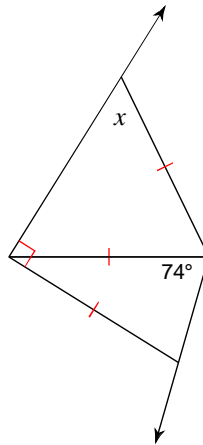
14) $m\angle 2 = 4x + 4$



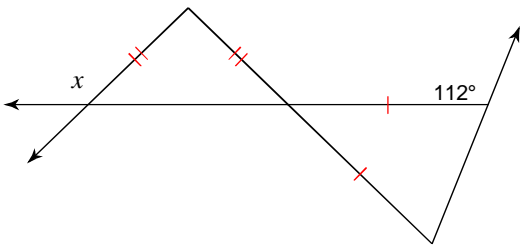
15)



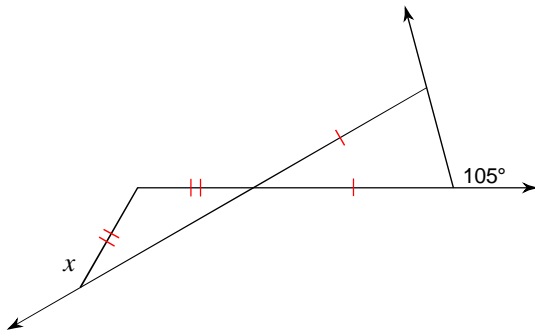
16)

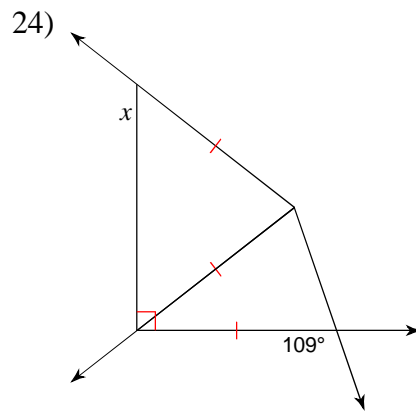
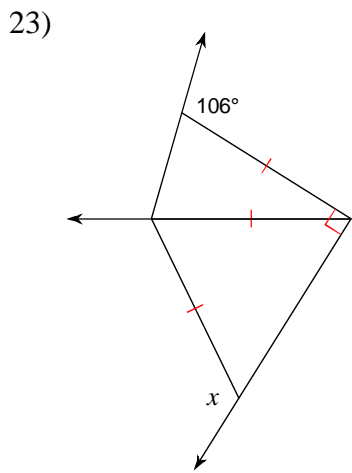
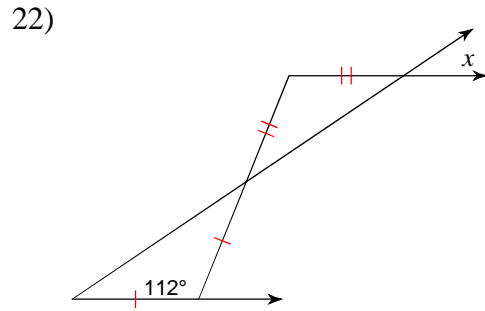
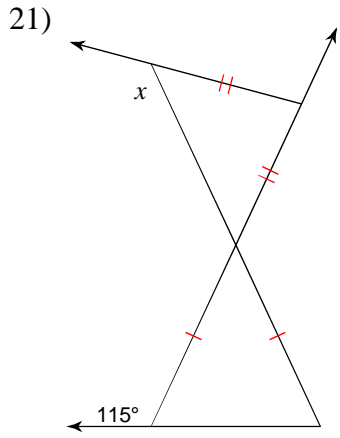
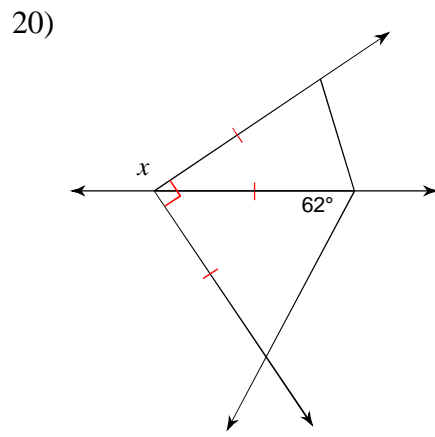
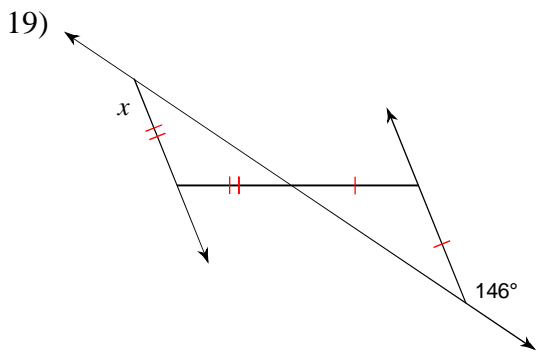


17)

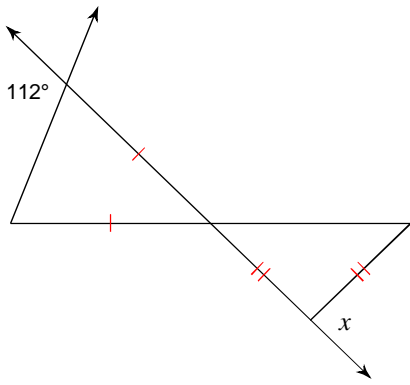


18)

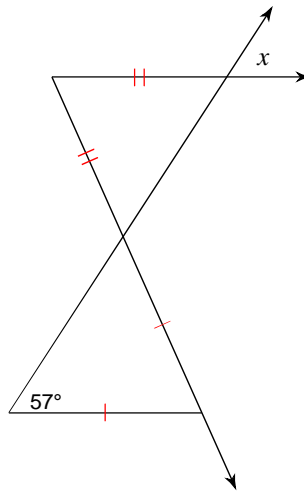




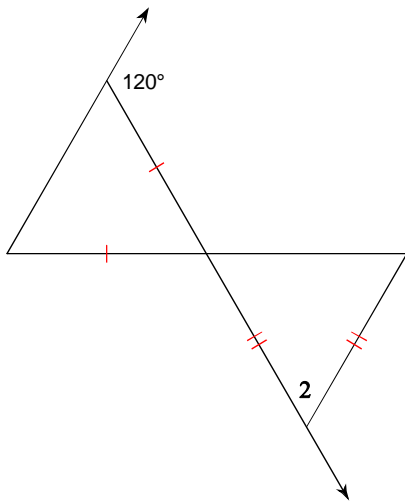
25)



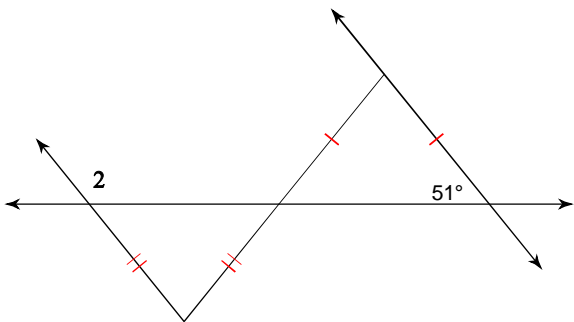
26)



27) $m\angle 2 = 7x + 4$



28) $m\angle 2 = 11x + 19$



Answers to 3.1-3.2 Isosceles and Equilateral Triangles

- | | | | |
|-----------------|-----------------|-----------------|-----------------|
| 1) 12 | 2) -10 | 3) 70° | 4) 28° |
| 5) 77° | 6) 70° | 7) 60° | 8) 70° |
| 9) -12 | 10) 9 | 11) 125° | 12) 75° |
| 13) 50° | 14) 11 | 15) 60° | 16) 58° |
| 17) 136° | 18) 150° | 19) 146° | 20) 146° |
| 21) 130° | 22) 34° | 23) 122° | 24) 128° |
| 25) 88° | 26) 57° | 27) 8 | 28) 10 |