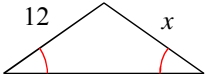


## 3.1-3.2 HW: Extra Practice with Isosceles Triangles Date \_\_\_\_\_ Block \_\_\_\_\_

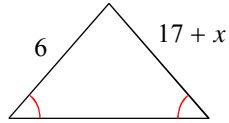
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**Find the value of  $x$ .**

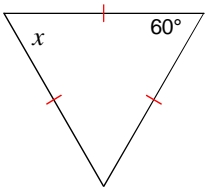
1)



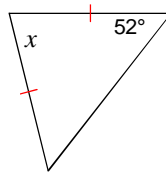
2)



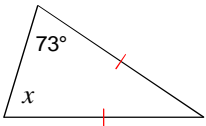
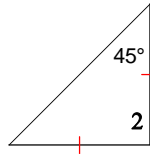
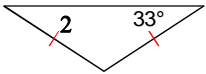
3)



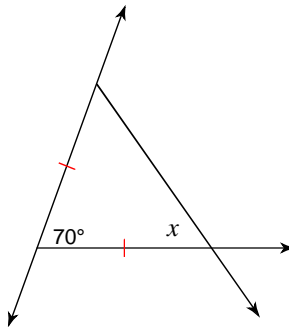
4)



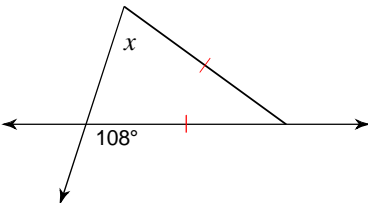
5)

6)  $m\angle 2 = x + 102$ 7)  $m\angle 2 = x + 21$ 

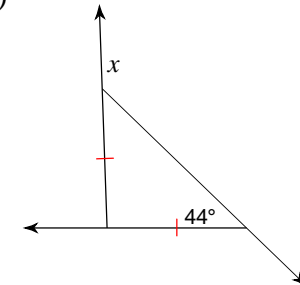
8)



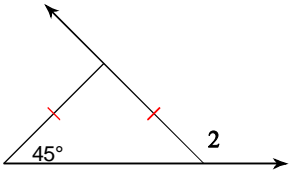
9)



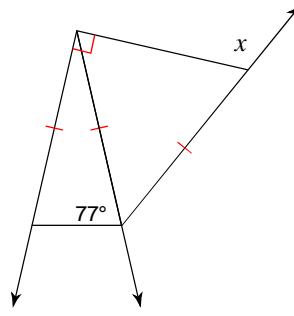
10)



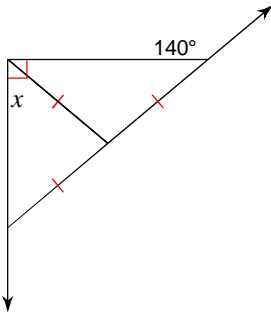
11)  $m\angle 2 = 22x + 3$



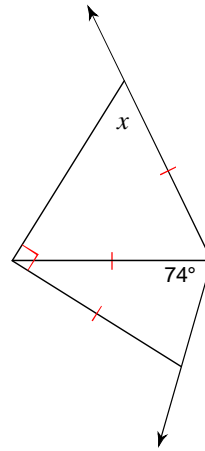
12)



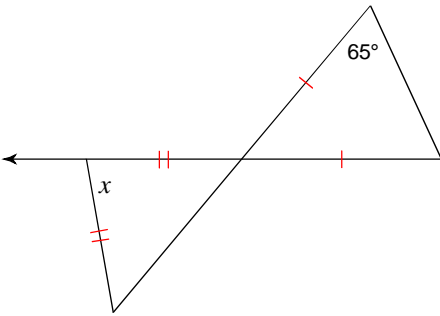
13)



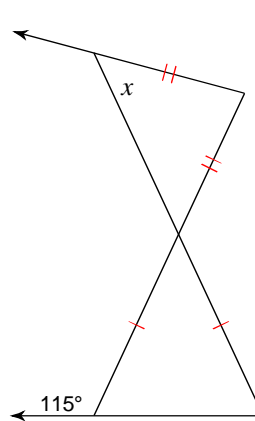
14)



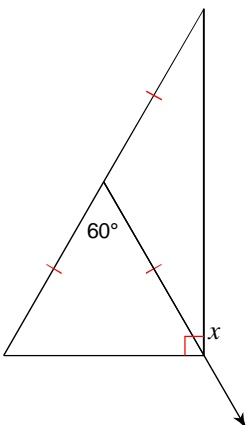
15)



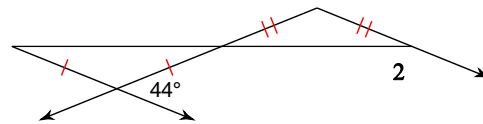
16)



17)



18)  $m\angle 2 = x + 165$



## Answers to 3.1-3.2 HW: Extra Practice with Isosceles Triangles

- 1) 12
- 5)  $73^\circ$
- 9)  $72^\circ$
- 13)  $50^\circ$
- 17)  $150^\circ$

- 2) -11
- 6) -12
- 10)  $136^\circ$
- 14)  $58^\circ$
- 18) -7

- 3)  $60^\circ$
- 7) 12
- 11) 6
- 15)  $80^\circ$

- 4)  $76^\circ$
- 8)  $55^\circ$
- 12)  $116^\circ$
- 16)  $50^\circ$