Kuta Software - Infinite Geometry

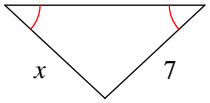
Name_____

Isosceles and Equilateral Triangles

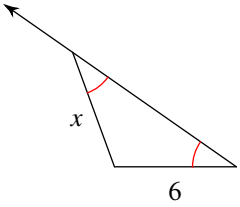
Date_____ Period____

Find the value of *x*.

1)



2)



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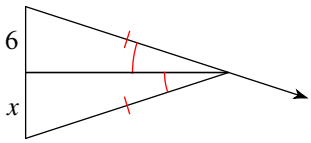

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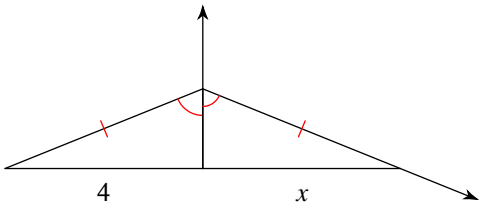

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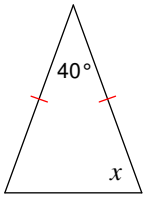
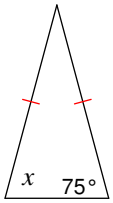


6)



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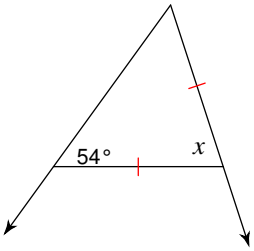
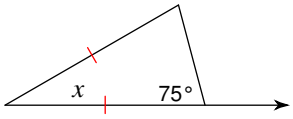


8)



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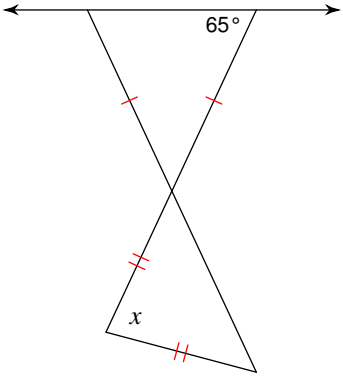
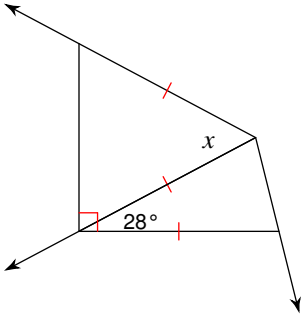


10)



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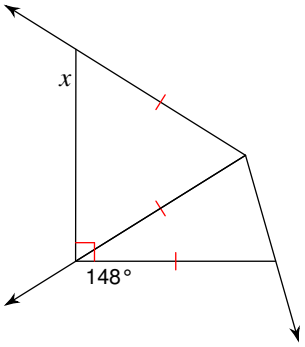

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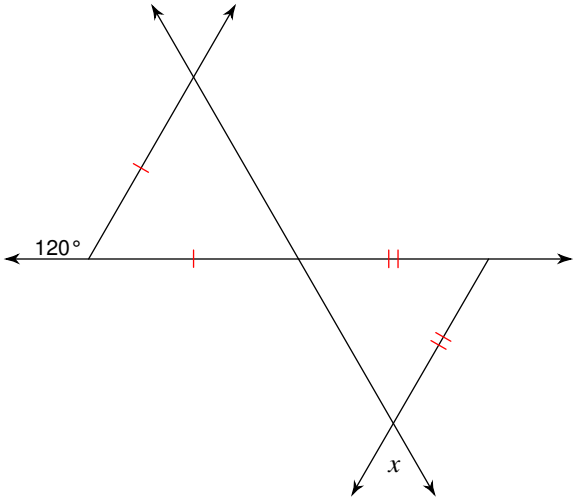

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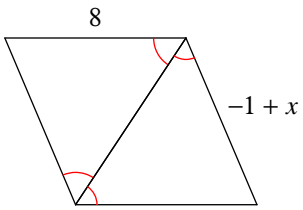
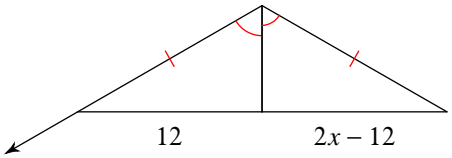
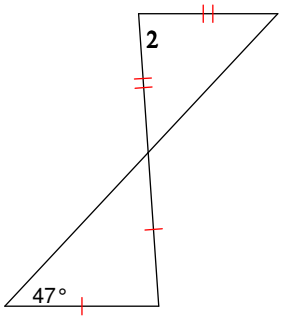


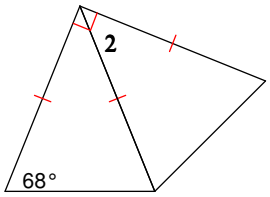
14)



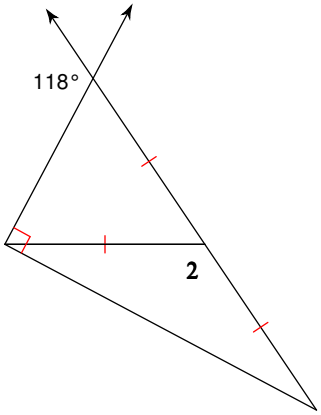
15) $m\angle 2 = x + 94$



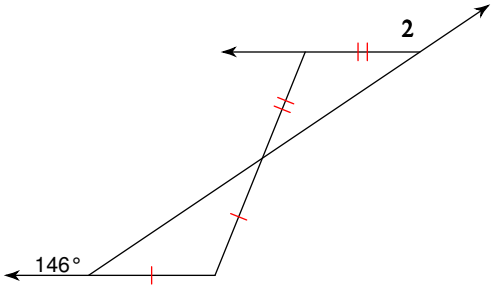
16) $m\angle 2 = 4x - 2$



17) $m\angle 2 = 12x + 4$



18) $m\angle 2 = 13x + 3$



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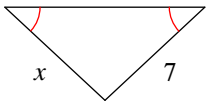
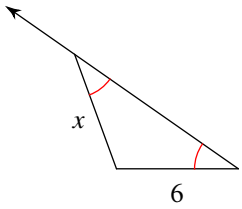
Find the value of *x*.

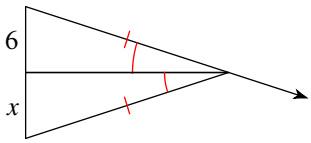
1) 7



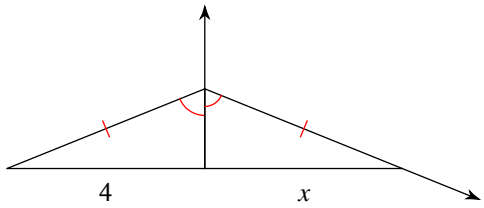
2) 6



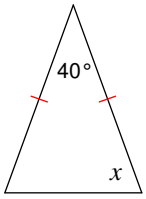
3) 6



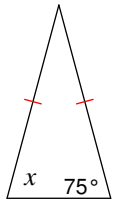
4) 4



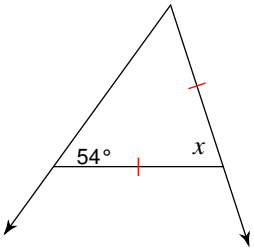
5) 70°



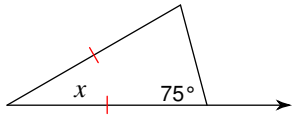
6) 75°



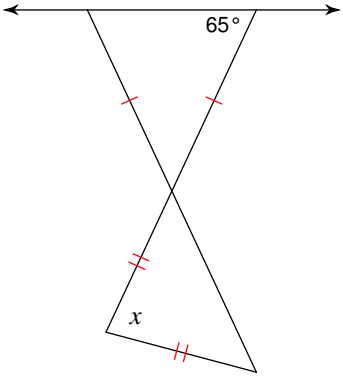
7) 72°



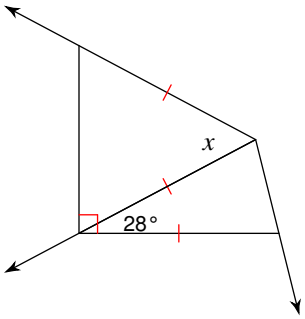
8) 30°



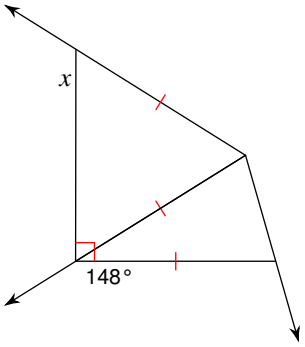
9) 80°



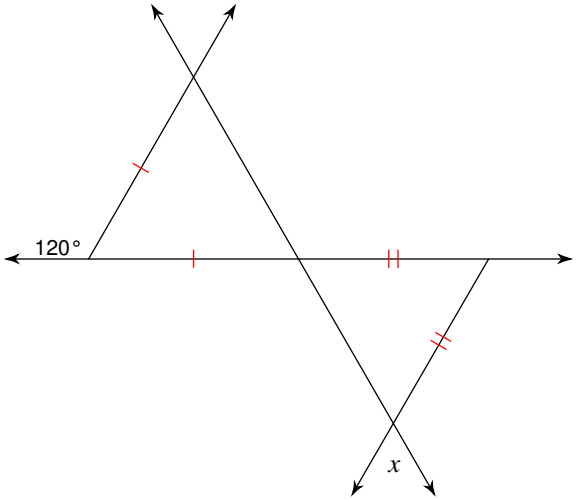
10) 56°



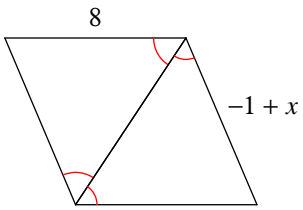
11) 122°



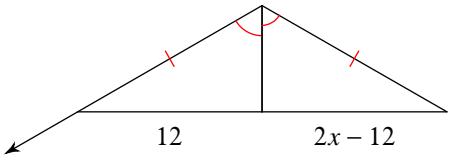
12) 60°



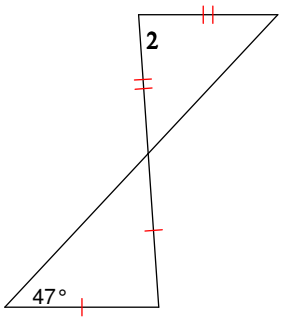
13) 9



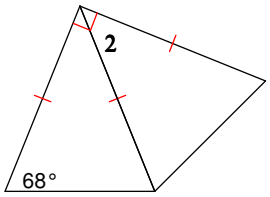
14) 12



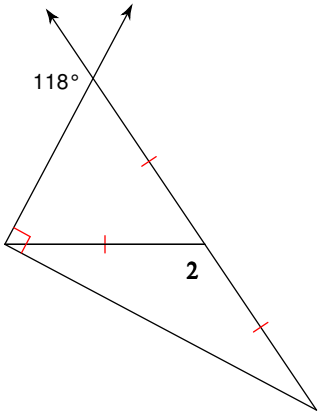
15) $m\angle 2 = x + 94$ −8



16) $m\angle 2 = 4x - 2$ 12



17) $m\angle 2 = 12x + 4$ 10



18) $m\angle 2 = 13x + 3$ 11