

# Isosceles and Equilateral Triangles

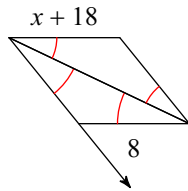
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Name \_\_\_\_\_

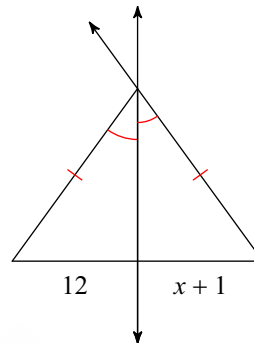
Date \_\_\_\_\_

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

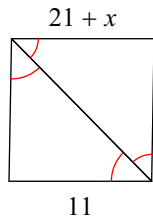
1)



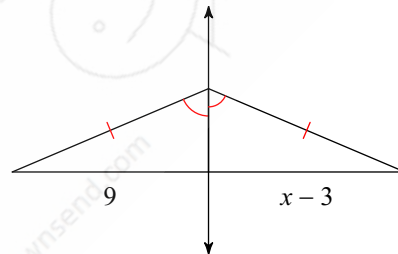
2)



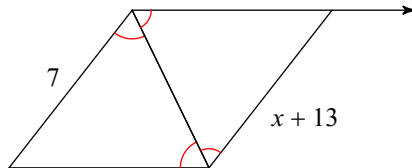
3)



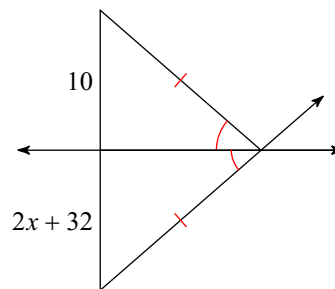
4)



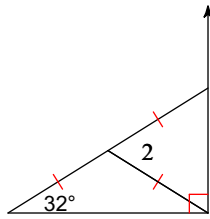
5)



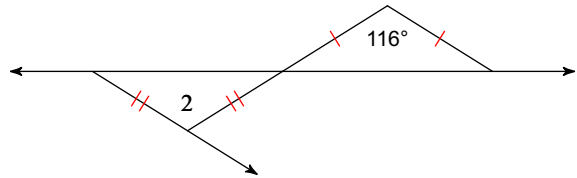
6)



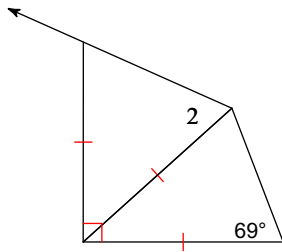
7)  $m\angle 2 = 4x + 20$



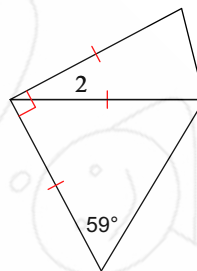
8)  $m\angle 2 = 8x + 20$



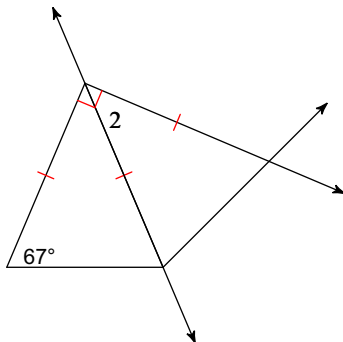
9)  $m\angle 2 = x + 73$



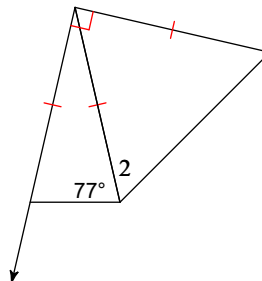
10)  $m\angle 2 = 3x - 5$



11)  $m\angle 2 = x + 50$



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



## Answers to Isosceles and Equilateral Triangles

1) -10

5) -6

9) -7

2) 11

6) -11

10) 11

3) -10

7) 11

11) -6

4) 12

8) 12

12) 12

