

Classifying Triangles

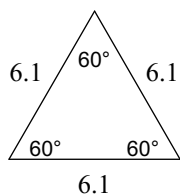
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Name _____ ID: 1

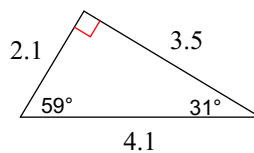
Date _____

Classify each triangle by its angles and sides.

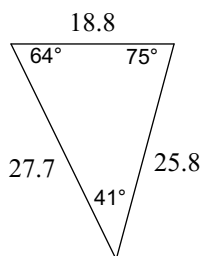
1)



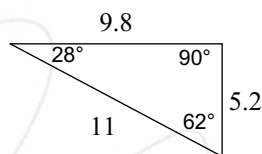
2)



3)

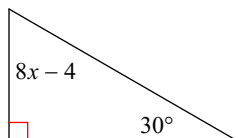


4)

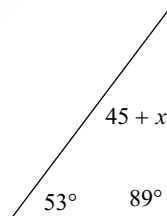


Solve for x .

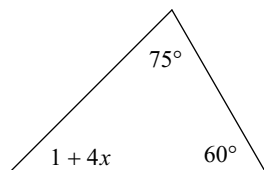
5)



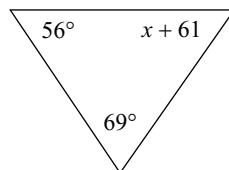
6)



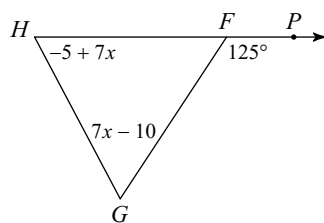
7)



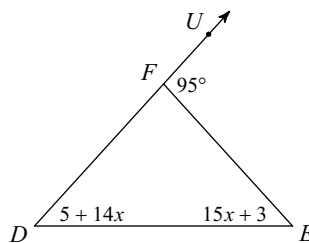
8)



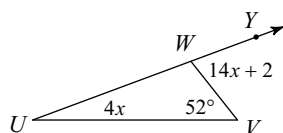
9)



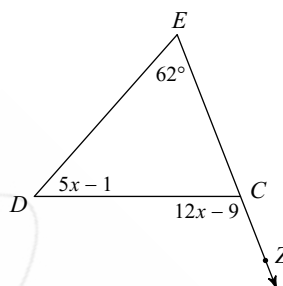
10)



11)

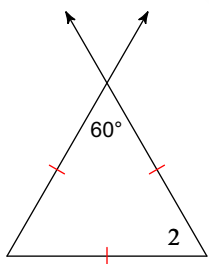


12)

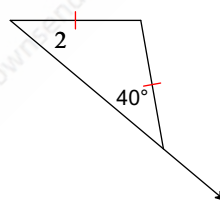


Find the value of x .

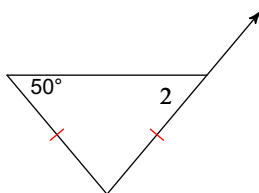
13) $m\angle 2 = x + 71$



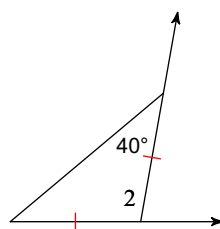
14) $m\angle 2 = x + 49$



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



16) $m\angle 2 = 9x + 1$



Answers to Classifying Triangles (ID: 1)

1) equilateral
5) 8
9) 10
13) -11

2) right scalene
6) -7
10) 3
14) -9

3) acute scalene
7) 11
11) 5
15) 9

4) right scalene
8) -6
12) 10
16) 11

