

State if the three numbers can be the measures of the sides of a triangle.

1) 7, 5, 4

2) 3, 6, 2

3) 5, 2, 4

4) 8, 2, 10

8, 2, 10

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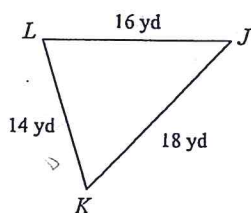
Two sides of a triangle have the following measures. Find the range of possible measures for the third side.

13) 9, 5

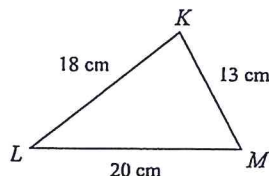
14) 5, 8

Order the angles in each triangle from smallest to largest.

1)

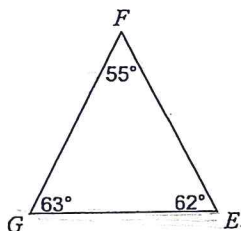


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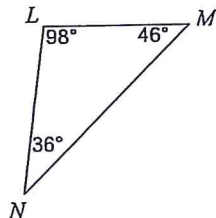


Order the sides of each triangle from shortest to longest.

9)



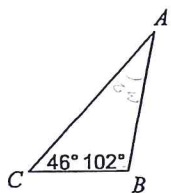
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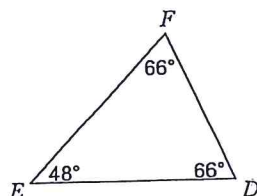
11) In $\triangle VWX$
 $m\angle V = 50^\circ$
 $m\angle W = 48^\circ$
 $m\angle X = 82^\circ$

Name the longest and shortest side in each triangle.

13)



14)



15) In $\triangle DEF$
 $m\angle D = 35^\circ$
 $m\angle F = 95^\circ$
 $m\angle E = 50^\circ$

State if the three numbers can be the measures of the sides of a triangle.

1) 7, 5, 4
 $5+4 > 7$
 yes

2) 3, 6, 2
 $3+2 > 6$
 no

3) 5, 2, 4
 $2+4 > 5$
 yes

4) 8, 2, 10
 $8+2 > 10$
 no

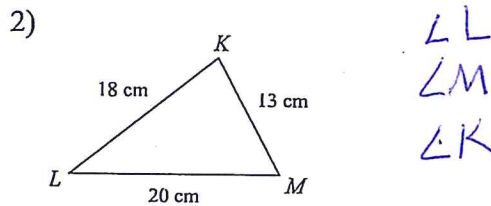
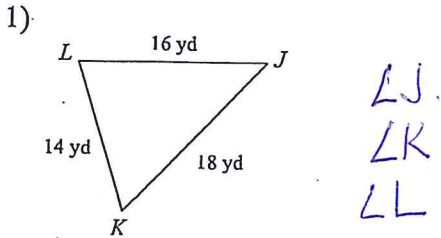
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Two sides of a triangle have the following measures. Find the range of possible measures for the third side. X.

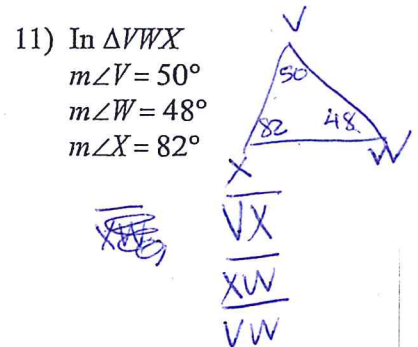
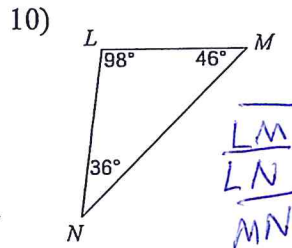
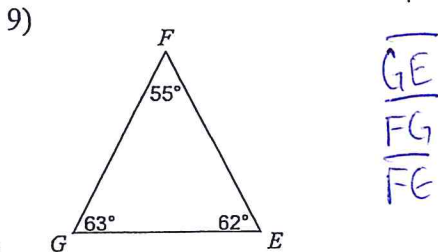
13) 9, 5
 $4 < X < 14$
 $\frac{9-5}{2} = 2$
 $\frac{9+5}{2} = 7$

14) 5, 8
 $3 < X < 13$

Order the angles in each triangle from smallest to largest.



Order the sides of each triangle from shortest to longest.



Name the longest and shortest side in each triangle.

