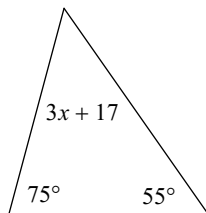


Triangle Properties Review - MUST SHOW WORK

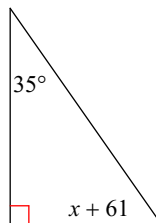
Date _____

Solve for x .

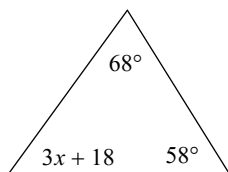
1)



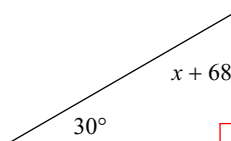
2)



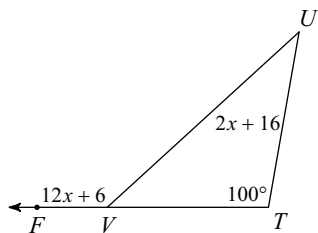
3)



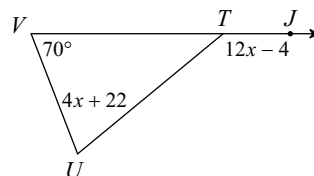
4)



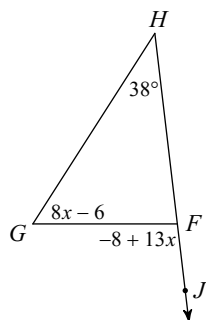
5)



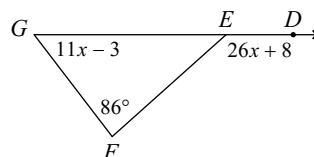
6)



7)

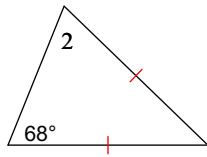


8)

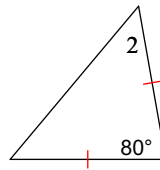


Find the value of x .

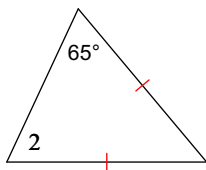
9) $m\angle 2 = 8 + 5x$



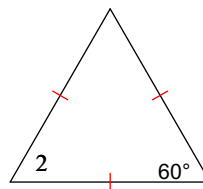
10) $m\angle 2 = 5x - 10$



11) $m\angle 2 = x + 72$



12) $m\angle 2 = 67 + x$



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

13) 11, 8

A) $5 < x < 18$

B) $4 < x < 19$

C) $3 < x < 19$

D) $3 < x < 18$

14) 8, 6

A) $2 < x < 14$

B) $3 < x < 14$

C) $6 < x < 13$

D) $2 < x < 10$

15) 12, 6

16) 11, 7

17) 9, 7

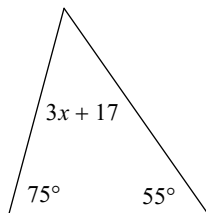
18) 12, 11

Triangle Properties Review - MUST SHOW WORK

Date _____

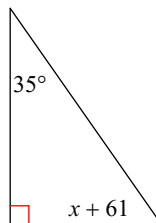
Solve for x .

1)



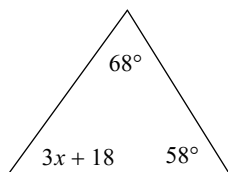
11

2)



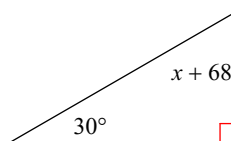
-6

3)



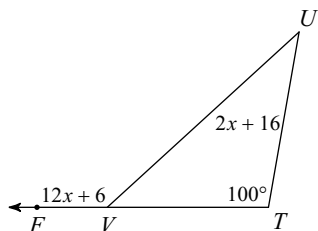
12

4)



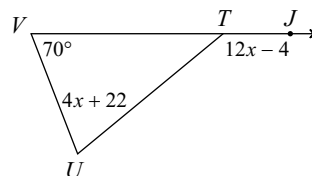
-8

5)



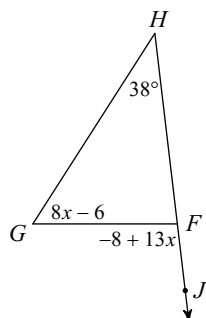
11

6)



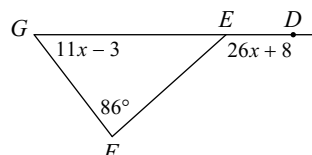
12

7)



8

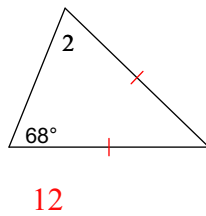
8)



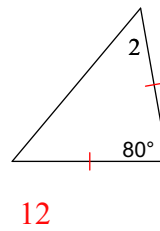
5

Find the value of x .

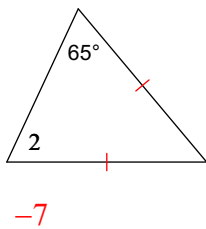
9) $m\angle 2 = 8 + 5x$



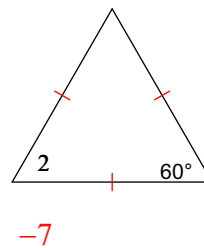
10) $m\angle 2 = 5x - 10$



11) $m\angle 2 = x + 72$



12) $m\angle 2 = 67 + x$



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

13) 11, 8

- A) $5 < x < 18$ B) $4 < x < 19$
*C) $3 < x < 19$ D) $3 < x < 18$

14) 8, 6

- *A) $2 < x < 14$ B) $3 < x < 14$
C) $6 < x < 13$ D) $2 < x < 10$

15) 12, 6

$6 < x < 18$

16) 11, 7

$4 < x < 18$

17) 9, 7

$2 < x < 16$

18) 12, 11

$1 < x < 23$