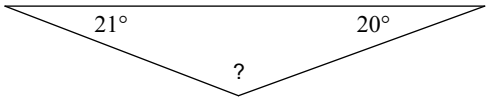
Geometry Name_____

Applying Triangle Properties Review

Date_____ Hour____

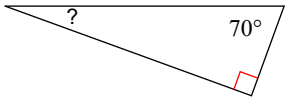
Find the measure of each angle indicated.

1)



A) 87° B) 155°
C) 100° D) 139°

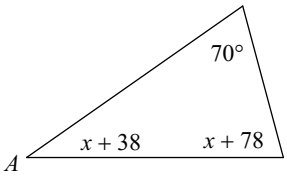
2)



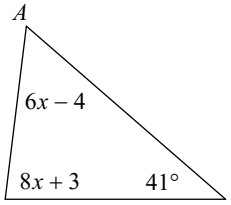
A) 20° B) 21°
C) 22° D) 91°

Find the measure of angle A.

3)

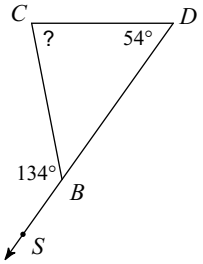


4)



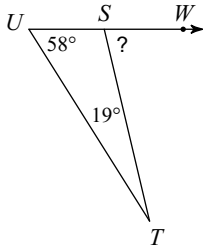
Find the measure of each angle indicated.

5)



A) 81° B) 46°
C) 97° D) 80°

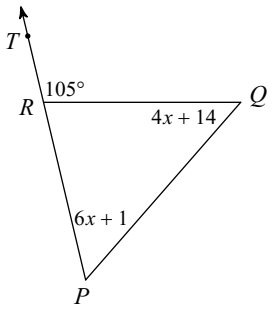
6)



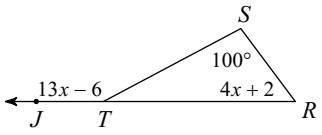
A) 90° B) 59°
C) 103° D) 77°

Solve for *x*.

7)



8)



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

9) 23, 11, 10

A) No B) Yes

10) 7, 10, 13

A) No B) Yes

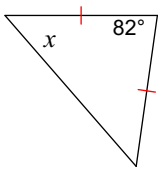
Two sides of a triangle have the following measures. Find the range of possible measures for the third side.

11) 12, 9

12) 7, 12

Find the value of *x*.

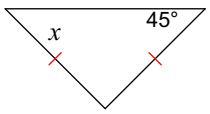
13)



A) 48° B) 41°

C) 49° D) 45°

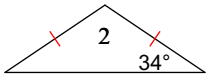
14)



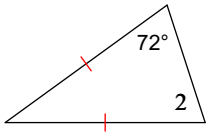
A) 42° B) 36°

C) 51° D) 45°

15) $m\angle 2 = 18x + 4$



16) $m\angle 2 = x + 79$



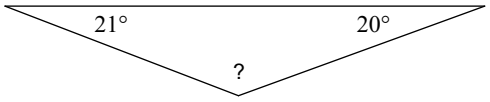
Geometry Name_____

Applying Triangle Properties Review

Date_____ Hour____

Find the measure of each angle indicated.

1)



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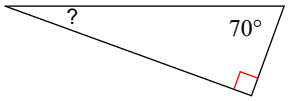
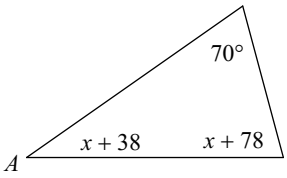


*A) 20° B) 21°
C) 22° D) 91°

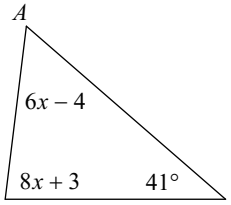
Find the measure of angle A.

3)



35°

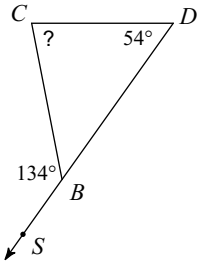
4)



56°

Find the measure of each angle indicated.

5)



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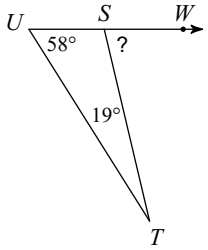

A) 90° B) 59°
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Solve for *x*.

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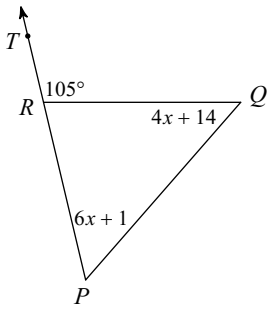
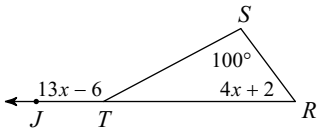


9

8)



12

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

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*A) No B) Yes

10) 7, 10, 13

A) No *B) Yes

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

11) 12, 9

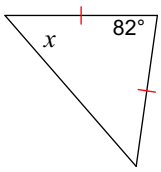
$3 < x < 21$

12) 7, 12

$5 < x < 19$

Find the value of *x*.

13)



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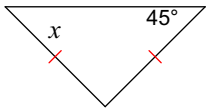

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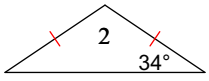
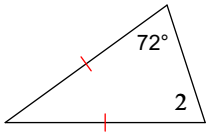


6

16) $m\angle 2 = x + 79$



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