

NAME:

Period: SCORE: / = % =

HW 5-2

Equations from Angles and Triangles

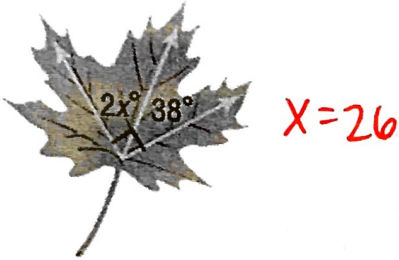
Unit 5

Int 1

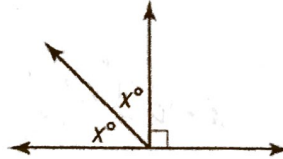
For the following problems, do each of the following steps.

- Identify the type of angle relationship that is shown.
- Set up an equation.
- Solve the equation for x .

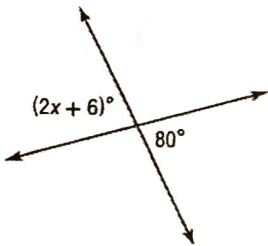
1)



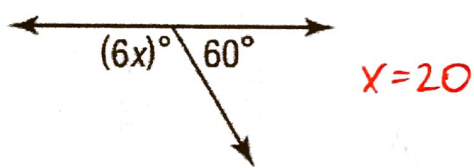
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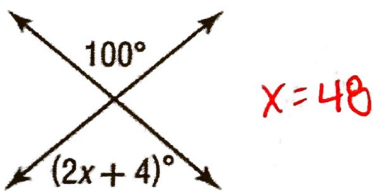
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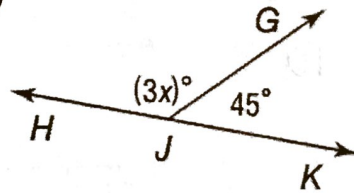
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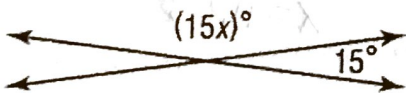
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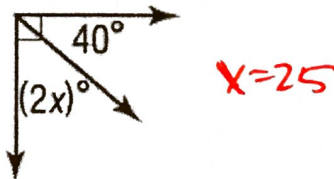
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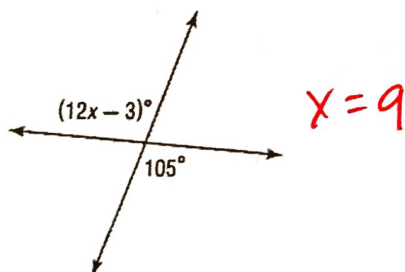
4)



9)



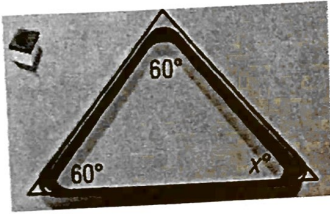
5)



10) $\angle A$ and $\angle B$ are complementary angles. The measure of $\angle B$ is $(4x)^\circ$ and the measure of $\angle A$ is 50° . What is the value of x ?

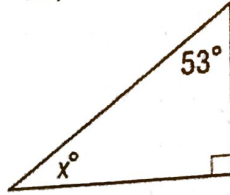
Find the value of x .

11)

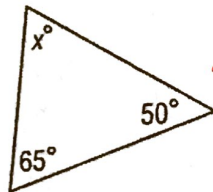


$x = 60$

16)

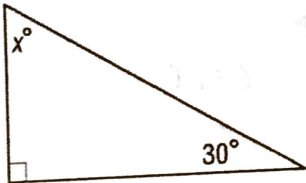


17)

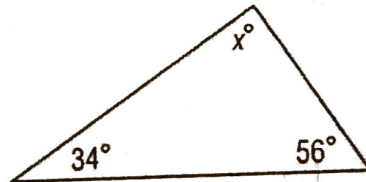


$x = 65$

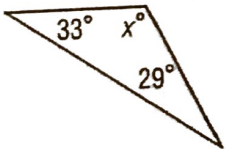
12)



18)

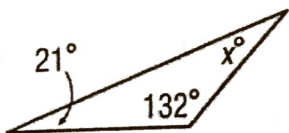


13)

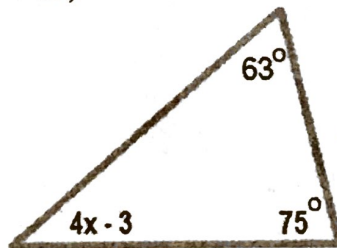


$x = 118$

14)

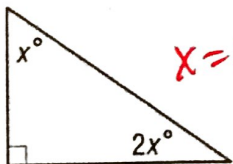


19)



$x = 11.25$

15)



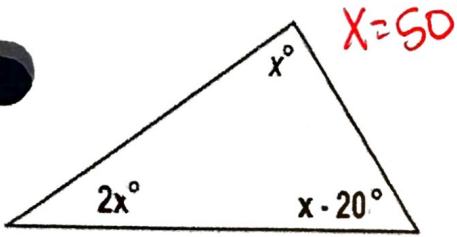
$x = 30$

20)



Find the value of x .

21)



The BEST of the Questions are EXTRA CREDIT.

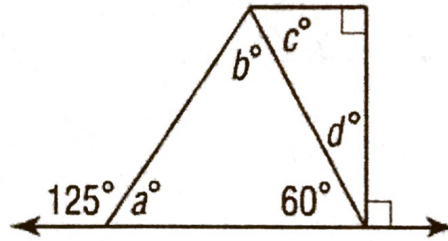
Given the figure below, solve for the missing angle measurements.

22) $m\angle a$

23) $m\angle b$

24) $m\angle c$

25) $m\angle d$

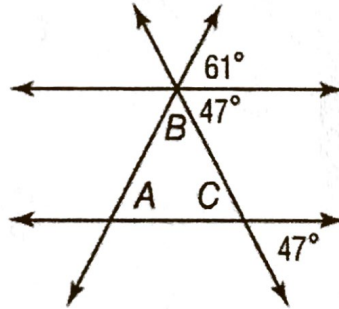


Given the figure below, solve for the missing angle measurements.

26) $m\angle B$

27) $m\angle C$

28) $m\angle A$



29) Find the value of $\angle NLR$.

