Graded Assignment Acc. Geo

TLEPT

Angle Relationships

Write an equation to model the given scenario and then find the two angles. d the measures of two complementary angles if the difference in their measures is 18.

$$<1+<2=90°$$

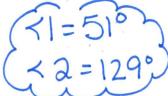
the difference in their measures
$$41 = 36^{\circ}$$
 $42 = 54^{\circ}$

2. Write an equation to model the given scenario and then find the two angles.

If a supplement of an angle has a measure of 78 less than the measure of the angle, what are the measures of the

angles?

$$<1 = <5 - 180$$

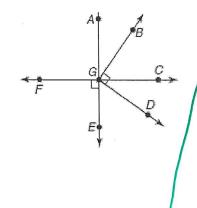


"how all work to receive full credit. Be sure to:

, draw a diagram if needed b.) write a geometric equation

c.) justify your steps!

3. If $m \angle BGC = 16x - 4$ and $m \angle CGD = 2x + 13$, find x so that $\angle BGD$ is a right angle.



$$< BGC + < CGD = < BGD$$
 $< BGC + < CGD = 90$
 $16x - 4 + 2x + 13 = 90$
 $18x + 9 = 90$
 $18x = 81$

This step was X = 4.5The important ake the important see you see you will step 122 and 3 the personal step 12 angle addition def of Right & Substitution CLT subtraction division

In the figure, \overrightarrow{YX} and \overrightarrow{YZ} are opposite rays. \overrightarrow{YU} bisects < ZYW, and \overrightarrow{YT} bisects < XYW. Show your work. Justify steps! 4. If $m < WYZ = 74^{\circ}$ and m < ZYU = 4r + 30, find r. angle addition <u> ユソロ+くロソW=くWYユ</u> < ZYU \(\text{TAYW} \) def of L bisector <ZYU+ <ZYU= ZWYZ substitution 4r+30+4r+30=74substitution 8r + 60 = 74CLT subtraction 8r = 14explains and down't 1.75 division Time room for

5. If m < WYU = 12b + 7 and m < ZYU = 9b - 1, find m < ZYW.

did NOT grade