Name: KEY

Date: ______ `Period: _____

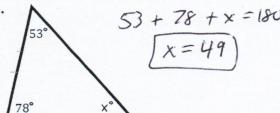
CCGPS Analytic Geometry

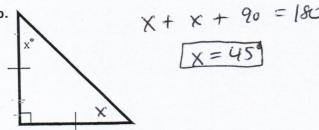
Notes: Interior and Exterior Angles of Triangles

Iomework: Attached worksheet

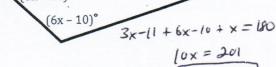
Essential Question: What are the steps to finding the measure of interior and exterior angles of a polygon?

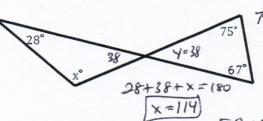
Examples: Find the value of x.





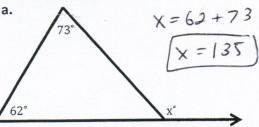
 $(3x - 11)^{\circ}$

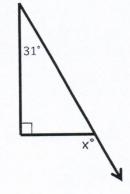




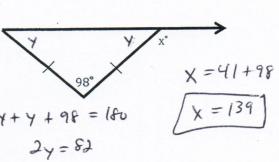
The Exterior Angle Theorem states that the measure of an exterior angle of a triangle is the sum of the measures of the two non-adjacent interior angles.

Examples: Find the value of x.

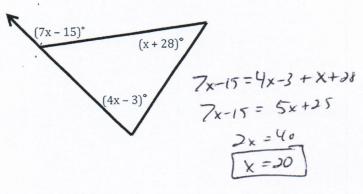




c.



d.



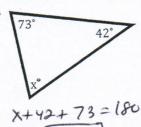
Name: KEY

_____ Date: ______`Period: _____

CCGPS Anlaytic Geometry

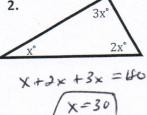
Homework: Interior and Exterior Angles of Triangles

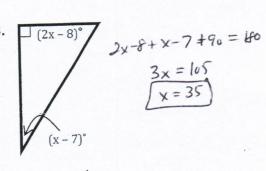
Directions: Find the value of x.

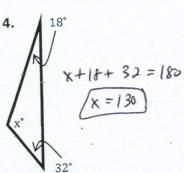


X =65

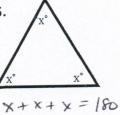
2.



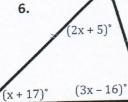




5.



x =60



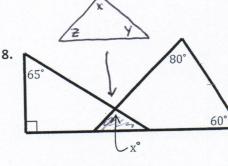
X+17+2x+5+3x-16=160

$$6x = 174$$

$$x = 29$$

7. 40+89+4=180 y=51

5++x +x = 180 2x = 129 x=64.5

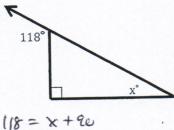


65+90+y=180 Y=25 80+60+==160

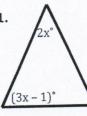
(7=40) 25+40+x=180 X = 115

40 + y +y= 100 24=140 y=70 X = 40+70 X = 110

10. K



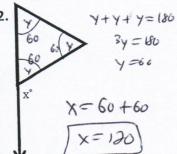
11.



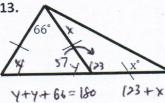
137 - x = 2x + 3x - 1

Gx = 138

12.

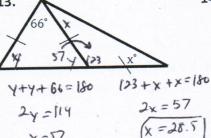


13.

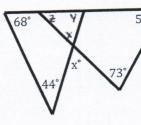


X = 28

y=57



14.



 $(137 - x)^{\circ}$

68+44+4=180

y = 68 73+58+2=180 2=49)

×+68+49=180

X=63