5-3 Skills Practice

Name Master G

Block G

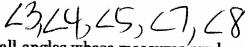
Determine which angle has the greatest measure.

Use the Exterior Angle Inequality Theorem to list all angles that satisfy the stated condition.

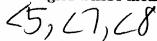


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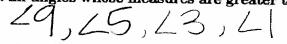
5. all angles whose measures are less than $m \angle 1$



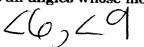
6. all angles whose measures are less than $m \angle 3$



7. all angles whose measures are greater than $m \angle 7$



8. all angles whose measures are greater than $m \angle 2$





Determine the relationship between the measures of the given angles.



10. m \(RTW, m \) TWR

11. m ZRST, m ZTRS

12. m∠WQR, m∠QRW

Determine the relationship between the lengths of the given sides.

$$13.\overline{DH},\overline{GH}$$

$$32$$

$$2X$$

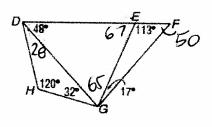
14. \overline{DE} , \overline{DG}



15.
$$\overline{EG}$$
, \overline{FG}

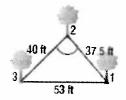
16. DE, EG





17. SPORTS The figure shows the position of three trees on one part of a Frisbee™ course. At which tree position is the angle between the trees the greatest?





5-5 Skills Practice

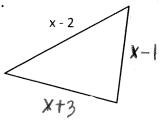
Name Block

is it possible to form a triangle with the given side lengths? State YES or NO & justify your answer.

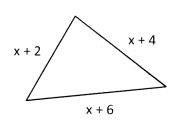
Find the range for the measure of the third side of a triangle given the measures of two sides.

Determine the possible value of x.

15.



16.



$$X-2+x-1 > x+3$$

 $2x-3 > x+3$