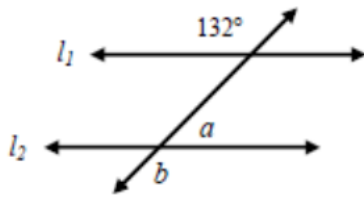


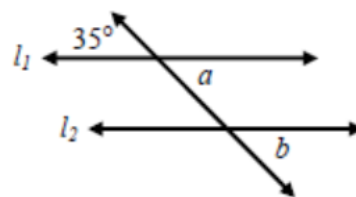
Welcome! please grab your warmup and ISN!

Given that $l_1 \parallel l_2$, find the measures of angles a and b .

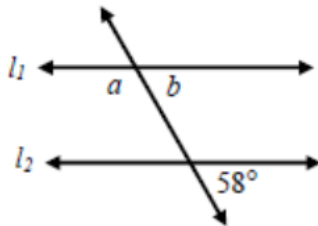
33.



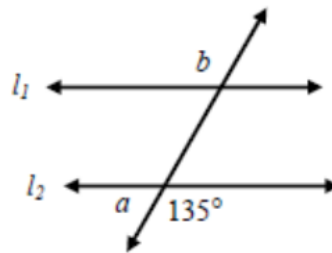
34.



35.



36.

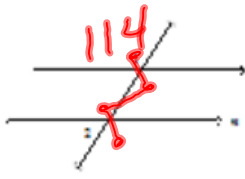


Aug 31-7:59 AM

Welcome! Please complete
the warmup in your Google
classroom!

Aug 29-9:00 AM

1. Lines l and m are parallel. If $m\angle 1 = 114^\circ$, how many degrees is $m\angle 2$?

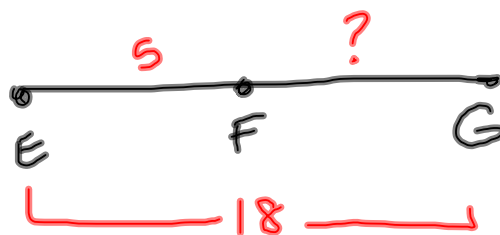


$$\angle 2 = 180 - 114$$

$$\angle 2 = 66^\circ$$

Aug 31-8:15 AM

2. Point F lies on \overline{EG} between E and G . $EF = 5$ and $EG = 18$. Find FG .



$$FG = 18 - 5$$

$$FG = 13$$

Aug 31-8:16 AM

3. Angle S is complementary to angle T . If $m\angle S = 62^\circ$, how many degrees is $m\angle T$?

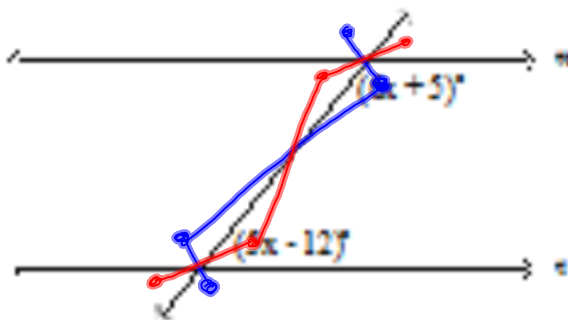
complementary
↓
 $= 90^\circ$

$$\angle T = 90 - 62$$

$$\angle T = 28^\circ$$

Aug 31-8:16 AM

4. Find the value of x so that $m \parallel n$.



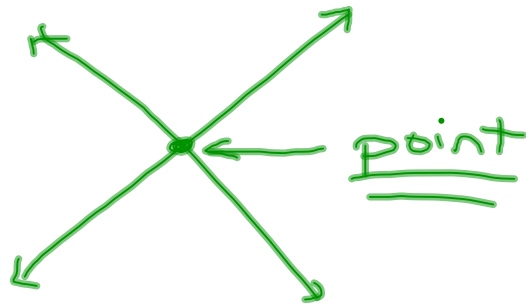
$$\underline{6x+5} + \underline{5x-12} = 180$$

$$\begin{array}{r} 11x - 7 \\ \downarrow + 7 \\ \hline 11x \\ \hline 187 \\ \hline 11 \end{array}$$

$$x = 17$$

Aug 31-8:16 AM

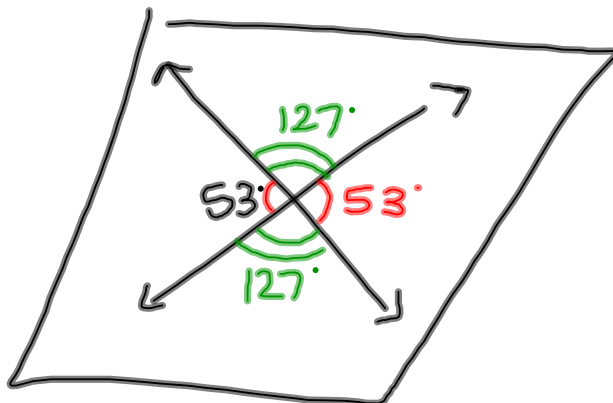
5. Describe the intersection of two lines.



Aug 31-8:17 AM

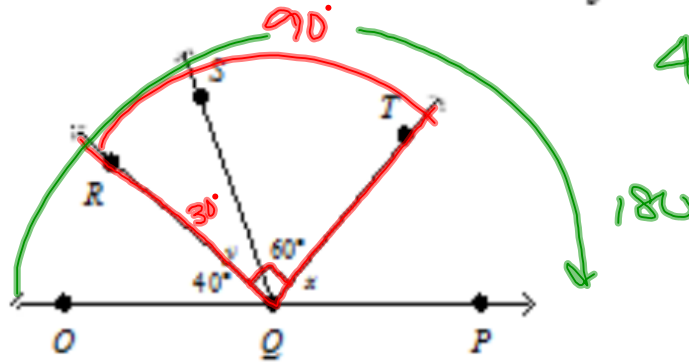
6. Two lines intersect in a plane and form four angles. One of the angles formed by this intersection is a 53° angle. What are the measures of the other three angles? Explain your answer.

$$\begin{array}{r} 180 \\ - 53 \\ \hline 127 \end{array}$$



Aug 31-8:17 AM

7. Determine the values of x and y in the diagram.



$$40 + 30 + 60 = 130$$

$$\angle x = 180 - 130$$

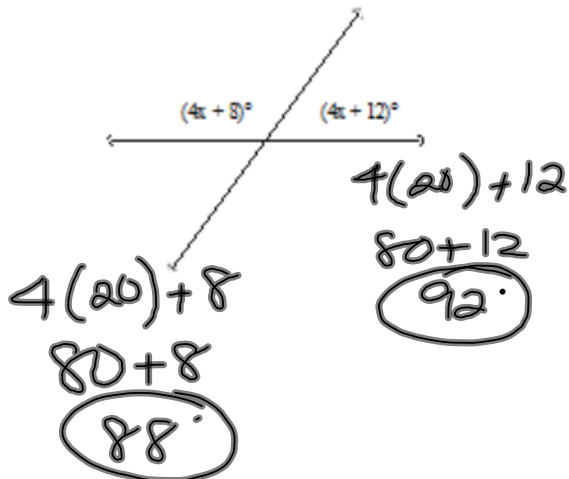
$$\angle x = 50^\circ$$

$$\angle y = 90 - 60$$

$$\angle y = 30^\circ$$

Aug 31-8:17 AM

8. Find the value of x . Find the measures of the two supplementary angles.



$$4x + 8 + 4x + 12 = 180$$

$$8x + 20$$

$$\downarrow -20$$

$$\frac{8x}{8}$$

$$x = 20$$

$$180$$

$$\underline{-20}$$

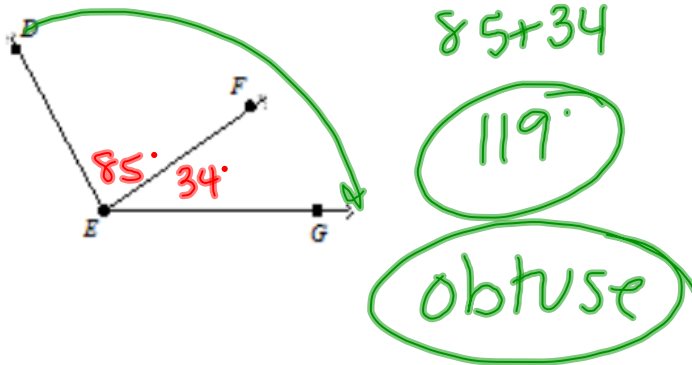
$$160$$

$$\underline{\quad}$$

$$8$$

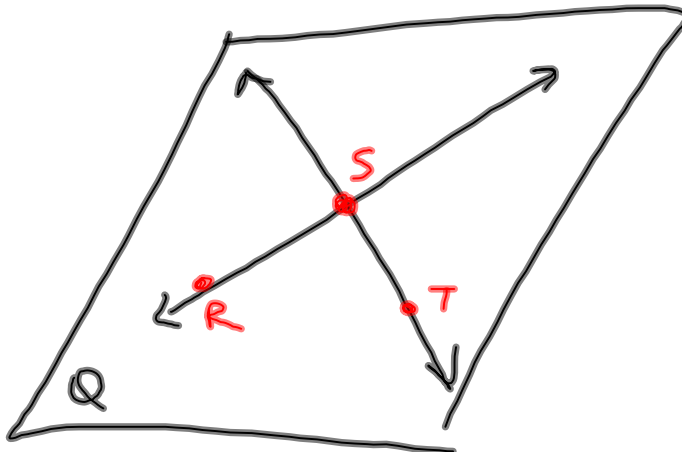
Aug 31-8:18 AM

9. $m\angle DEF = 85^\circ$ and $m\angle FEG = 34^\circ$. Find $m\angle DEG$. Classify $\angle DEG$.



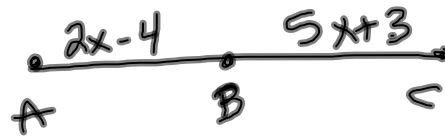
Aug 31-8:18 AM

10. Draw the following: \overleftrightarrow{RS} and \overleftrightarrow{ST} intersect in plane Q .



Aug 31-8:18 AM

11. Point B lies on \overline{AC} between A and C . $AB = 2x - 4$ and $BC = 5x + 3$. Find AC .



$$AC = 2x - 4 + 5x + 3$$

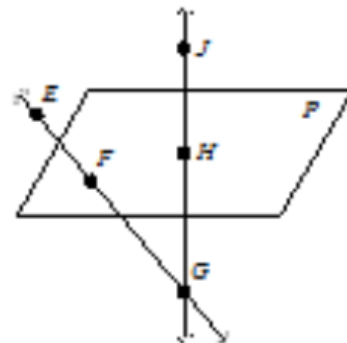
$$AC = 7x - 1$$

Aug 31-8:18 AM

12. Which set of three points is collinear?

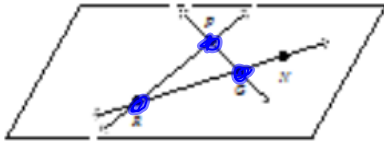
G, H, J

E, F, G



Aug 31-8:19 AM

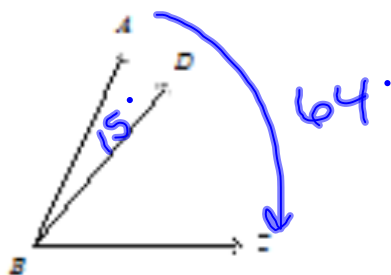
13. Identify all points of intersection of lines shown on plane PGN .



R, P, G

Aug 31-8:19 AM

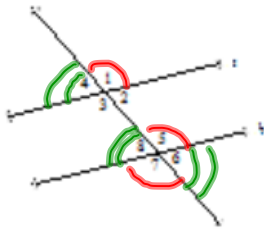
14. $m\angle ABC = 64^\circ$ and $m\angle ABD = 15^\circ$. Find $m\angle DBC$.



$$64 - 15$$
$$\angle DBC = 49^\circ$$

Aug 31-8:19 AM

Use the diagram from the following problems.



* any \cong angle pair where one angle is on line b and the other is on line a prove parallel lines

15. Which pair of angles, if congruent, proves lines a and b are parallel?

$$\angle 1 \cong \angle 5$$

$$\angle 4 \cong \angle 8$$

$$\angle 1 \cong \angle 7$$

$$\angle 4 \cong \angle 6$$

Aug 31-8:20 AM

Use the diagram from the following problems.



$$\begin{array}{r} 180 \\ - 77 \\ \hline 103 \end{array}$$

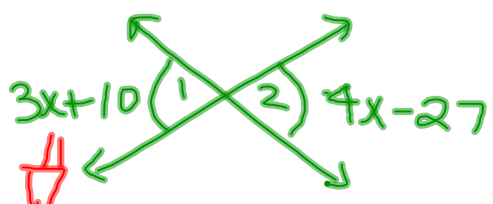
16. If lines a and b are parallel and $m\angle 4 = 77^\circ$, then what is $m\angle 5$?

Aug 31-8:20 AM

$$111 + 10 = 121^\circ$$

$$3(37) + 10 \quad m\angle 1$$

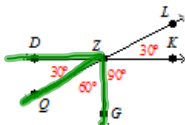
17. If $\angle 1$ and $\angle 2$ are vertical angles and $m\angle 1 = 3x + 10$ and $m\angle 2 = 4x - 27$, what is $m\angle 1$?



$3x + 10$	$=$	$4x - 27$
$- 3x$	\downarrow	$- 3x$
10		$x - 27$
$+ 27$		$\downarrow + 27$
37		x

Aug 31-8:21 AM

18. Use the diagram to tell whether the angles $\angle GZQ$ and $\angle QZD$ are complementary, supplementary, or neither.



$$30 + 60 = 90$$

Complimentary

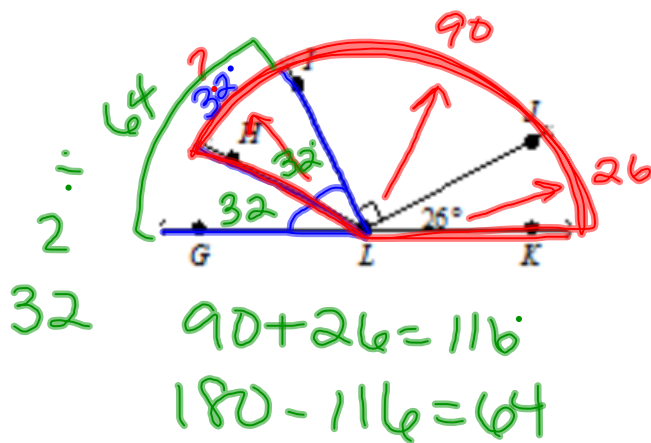
Aug 31-8:21 AM

19. What is the minimum number of noncollinear points needed to identify exactly one plane?

3 non collinear points!

Aug 31-8:21 AM

20. \overrightarrow{LH} bisects $\angle GLI$. What is the measure of $\angle KLH$?



$$32 + 90 + 26$$

$$148$$

Aug 31-8:21 AM

Aug 30-11:39 AM