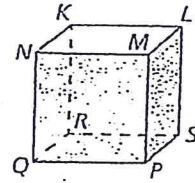


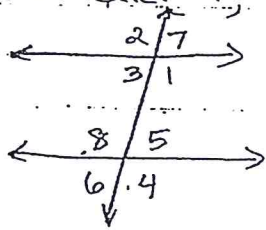
# SRHS Math 1 - #Review 10A

1. Looking at the diagram, are the following parallel, perpendicular or skew? (Note: All angles are right angles)

- a)  $\overleftrightarrow{NM}$  and  $\overleftrightarrow{RS}$
- b)  $\overleftrightarrow{NM}$  and  $\overleftrightarrow{LS}$
- c)  $\overleftrightarrow{NM}$  and  $\overleftrightarrow{QN}$
- d) plane NMP and plane RKL

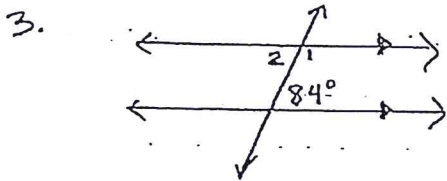


2. Identify whether corresponding, alternate interior, alternate exterior, consecutive interior or vertical angles.

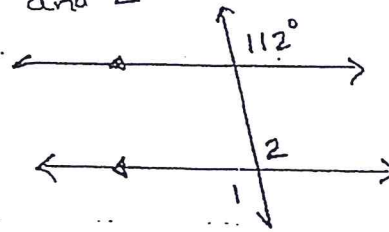


- a)  $\angle 4$  and  $\angle 2$
- b)  $\angle 4$  and  $\angle 1$
- c)  $\angle 8$  and  $\angle 1$
- d)  $\angle 8$  and  $\angle 4$
- e)  $\angle 8$  and  $\angle 3$

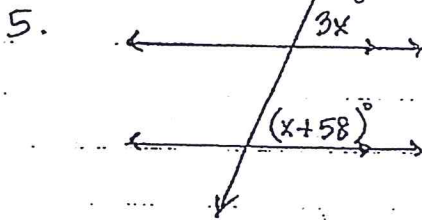
3. Find the measures of angles 1 and 2



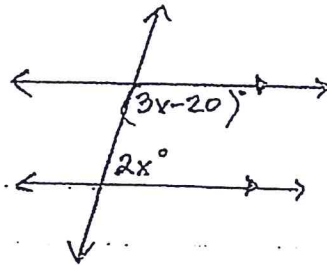
4.



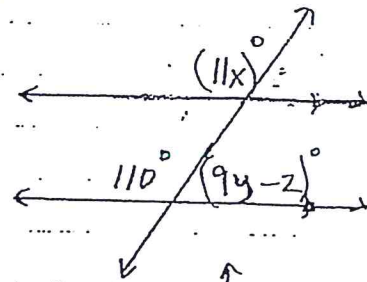
5. Find x



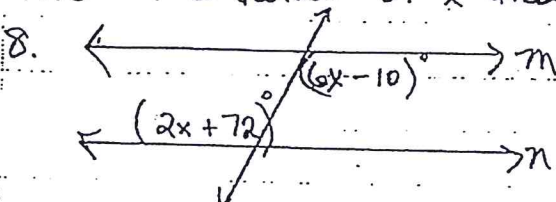
6.



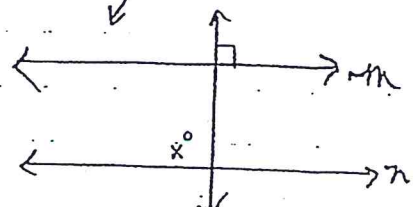
7. Find the value of x and y:



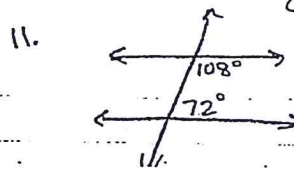
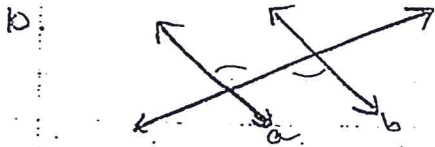
8. Find the value of x that makes m || n



9.



Is there enough information to prove that the lines are parallel? If so, state the theorem you would use.



**Solve each equation.**

12)  $9 + \frac{n}{4} = 5$

13)  $-3 = \frac{-4 + n}{3}$

14) Evaluate the function:  
 $f(x) = 1.27x + 4.23$  for  $x = -5$

15) Find the value of  $x$  so that the function has the given value:  
 $f(x) = 1.27x + 4.23$  ;  $f(x) = 10.707$

**Solve each inequality.**

16)  $4(2 - 4x) \geq -88$

**Find the distance between each pair of points.**

17)  $(5, 3)$ ,  $(-2, -1)$

**Find the midpoint of the line segment with the given endpoints.**

18)  $(1, 9)$ ,  $(-23, -31)$

**Find the slope of the line through each pair of points.**

19)  $(16, -4)$ ,  $(2, 17)$

**Rewrite the given point-slope equation in slope-intercept form.**

20)  $y - 2 = \frac{7}{4}(x + 28)$