SRHS Math 1 - #Review 10B

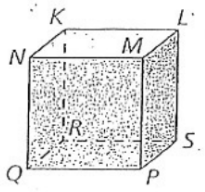
1. Think of each segment in the diagram as part of a line. Which line(s) or plane(s) contain point R and appear to fit the description?

a) line(s) parallel to $\overline{SP}$

b) line(s) perpendicular to $\overline{SP}$

c) line(s) skew to $\overline{SP}$

d) plane(s) parallel to plane KLM



2. Identify whether the pair of angles are corresponding, alternate interior, alternate exterior, consecutive interior or vertical angles.

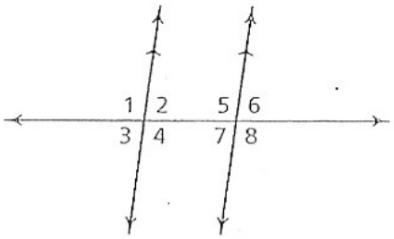
a. <2 and <7

b. <2 and <3

c. <2 and <6

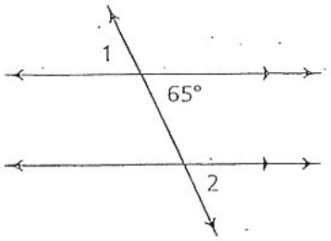
d. <2 and <5

e. <1 and <8



Find $m\angle 1$ and $m\angle 2$.

3.



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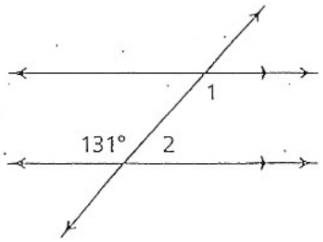
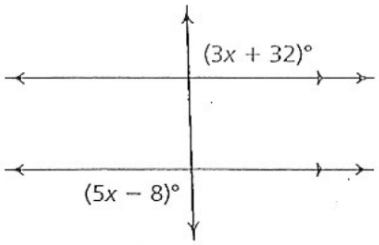


Find x.

5.



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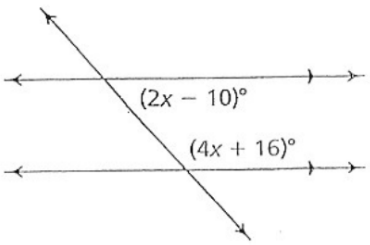
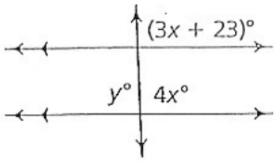
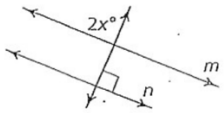


7. Find the values of x and y.

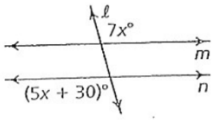


Find the value of x that makes line $m \parallel n$.

8.

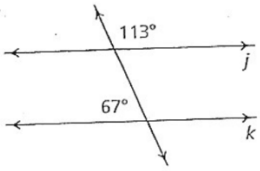


9.



Decide whether there is enough information to prove that j is parallel to k. If so, state the theorem you would use.

10.



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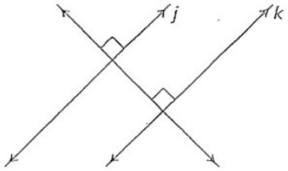
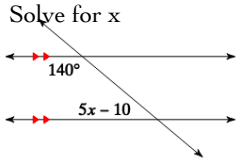
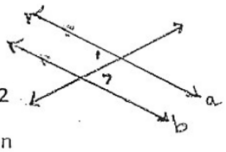


12) Solve for x



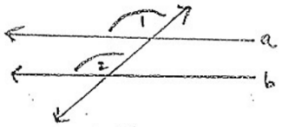
Give the reason for statement 2

13.



1. a ∥ b	1. Given	
2. ∠1 ≅ ∠7	2. _____	

14.



1. ∠1 ≅ ∠2	1. Given
2. a ∥ b	2. _____

Solve each equation.

15) $\frac{n+1}{2} = 4$

16) $\frac{p}{12} + 3 = 2$

17) Evaluate the function:
f(x) = 6x + 42 for x = -3

18) Find the value of x so that the function has the given value:
f(x) = 6x + 42 ; f (x) = 60

Solve each inequality.

19) $125 \geq 5(-4n + 2) - 5$

Find the distance between each pair of points.

20) $(4, -4), (0, -5)$

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

21) $(-37, 9), (19, 19)$

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

22) $(-12, 6), (7, 18)$