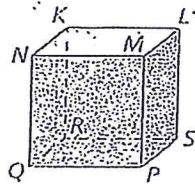


SRHS Math 1 - #Review 10B

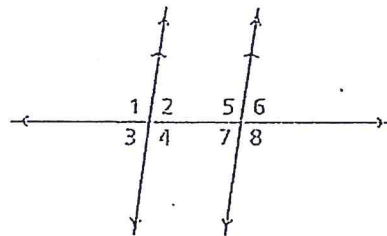
1. Think of each segment in the diagram as part of a line. Which line(s) or plane(s) contain point R and appear to fit the description?

- 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

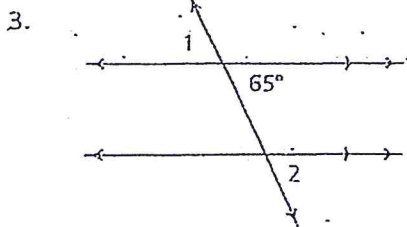


2. Identify whether the pair of angles are corresponding, alternate interior, alternate exterior, consecutive interior or vertical angles.

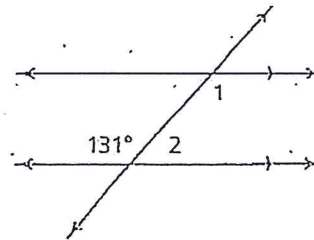
- a. $\angle 2$ and $\angle 7$
- b. $\angle 2$ and $\angle 3$
- c. $\angle 2$ and $\angle 6$
- d. $\angle 2$ and $\angle 5$
- e. $\angle 1$ and $\angle 8$



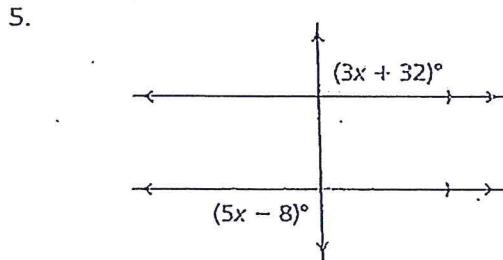
Find $m\angle 1$ and $m\angle 2$.



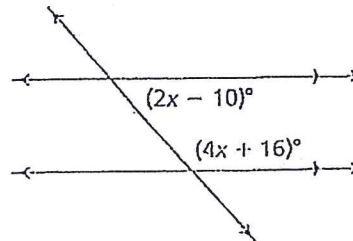
4.



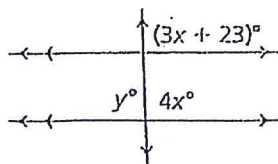
Find x .



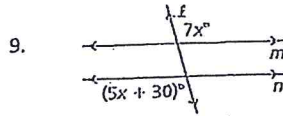
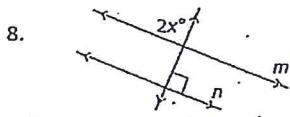
6.



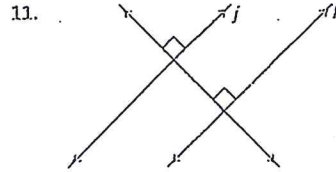
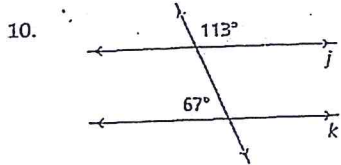
7. Find the values of x and y .



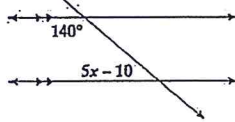
Find the value of x that makes line $m \parallel n$.



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



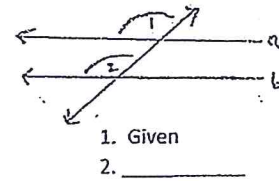
12) Solve for x



Give the reason for statement 2.

13.
 1. $a \parallel b$ 1. Given
 2. $\angle 1 \cong \angle 7$ 2. _____

14.
 1. $\angle 1 \cong \angle 2$
 2. $a \parallel b$



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