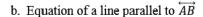
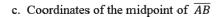
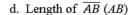
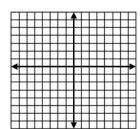


a. Slope of \overline{AB}

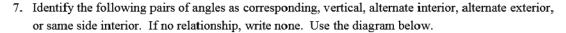






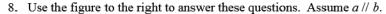


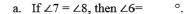
- e. What is the equation of \overrightarrow{AB} in point-slope form. (Point-slope form is $y y_1 = m(x x_1)$)
- f. Equation of \overrightarrow{AB} in slope-intercept form.
- g. Equation of **perpendicular bisector** of \overline{AB} in slope-intercept form.

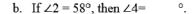


a.
$$\angle 2$$
 and $\angle 7$

c.
$$\angle 2$$
 and $\angle 3$

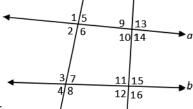


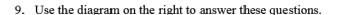




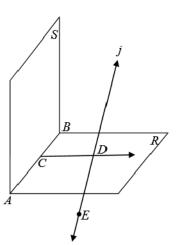
c. If
$$\angle 6 = 11x$$
 and $\angle 8 = 12x - 4$, then $x = _____$ °.

d. If
$$\angle 4 = 19x + 1$$
 and $\angle 5 = 15x + 13$, then m $\angle 4 =$ _____°.





- a. Name the intersection of planes R and S.
- b. Name three collinear points.
- c. How many planes contain line j and \overrightarrow{CD} ?
- d. Name four noncoplanar points.
- e. Name the intersection of j and plane R. _____
- f. Name the ray opposite of \overrightarrow{CB} .
- g. If \overrightarrow{CD} is a bisector of \overrightarrow{AB} , then $AC = \underline{\hspace{1cm}}$ and $AC = \frac{1}{2}$
- h. How many planes contain points A, B, and C?



10. If t, 5t, and 6t are the measures of the interior angles of a triangle, find the value of t.

11. Find the point of intersection of these two lines. (Solve the system of equations.)

$$2x + 3y = -11$$

$$-5x + v = -15$$

12. Solve the following for x using the quadratic formula.

$$2x^2 + 10x + 3 = 0$$

13. Write (a) the converse, (b) the inverse, and (c) the contrapositive of the following statement.

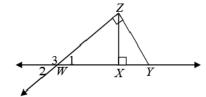
If $\angle 1$ and $\angle 2$ are right angles, then $\angle 1 = \angle 2$.

- a. _____
- h
- c.

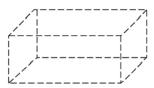
14. Find the measure of each angle if $\angle 1$ and $\angle WZX$ are complements, $\angle 1$ and $\angle XYZ$ are complements, and $\angle XZY = 40^{\circ}$.

a.
$$\angle WZX =$$

f.
$$\angle WXZ =$$



15. Using the room as a model, make a sketch of skew lines.

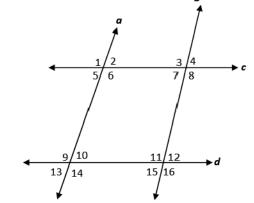


For problems 16 - 18. Determine which lines, if any, are parallel given the listed information. Explain your answer. Consider each problem independently

16. ∠10 and ∠11 are supplementary



18. ∠1 ≅ ∠14



You are responsible for Chapter 1-5, including congruency, proofs, and constructions.

STUDY CHAPTER TESTS!!!!