

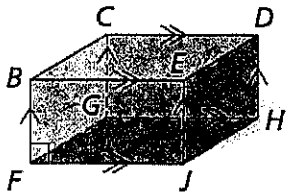
Name _____

points _____

CHAPTER 3 REVIEW SHEET

Section 1:

Use the diagram to find the following:



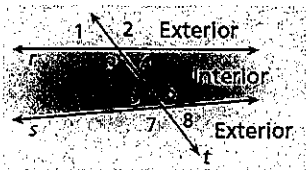
Pair of Parallel Lines:

Pair of Perpendicular Lines:

Pair of Skew Lines:

Pair of Parallel Planes:

Use the diagram to find the following:

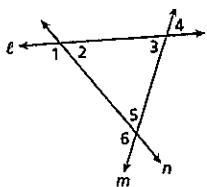


Pair of Corresponding Angles:

Pair of Alternate Interior Angles:

Pair of Same-Side Interior Angles:

Pair of Alternate Exterior Angles:



Identify the transversal and classify the angle pair $\angle 2$ and $\angle 5$ in the diagram above.

Section 2:

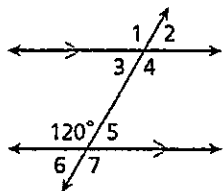
If lines are parallel, then corresponding angles are _____.

If lines are parallel, then alternate interior angles are _____.

If lines are parallel, then alternate exterior angles are _____.

If lines are parallel, then same-side interior angles are _____.

Find each angle measure:



- 13. $m\angle 1$ 14. $m\angle 2$ 15. $m\angle 3$
- 16. $m\angle 4$ 17. $m\angle 5$ 18. $m\angle 6$
- 19. $m\angle 7$

Section 3:

If corresponding angles are _____, then lines are _____.

If alternate interior angles are _____, then lines are _____.

If alternate exterior angles are _____, then lines are _____.

If same-side interior angles are _____, then lines are _____.

If there is a point not on a line, how many lines through that point are parallel to the line? _____

Section 4:

The shortest distance from a point to a line is:

If 2 angles form a linear pair and both angles are congruent, then:

Diagram:

If a transversal is \perp to one of 2 parallel lines, then:

Diagram:

If 2 coplanar lines are \perp to the same line, then:

Diagram:

Section 5:

Slope (definition):

Slope formula:

If two lines are parallel, then their slopes are:

If two lines are perpendicular, then their slopes are:

Draw examples of lines with the following slope characteristics:

Positive:

Negative:

Zero:

Undefined:

Circle the following equation whose graph is **vertical**: $y = 4$ $x = 3$

Circle the following equation whose graph is **horizontal**: $y = 4$ $x = 3$

Section 6:

Point-Slope Form:

Slope-Intercept Form:

Standard Form:

If two lines are parallel, then their slopes are _____ and the y-intercepts are _____.

If two lines intersect, then their slopes are _____.

If two lines coincide, then their slopes are _____ and the y-intercepts are _____.