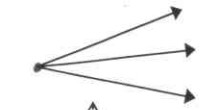
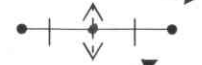


Chapter 1 Vocabulary: Match the following pictures/definitions with the correct term



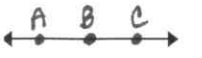
A. Two angles in the same plane that have a common side and a common vertex but no common interior points



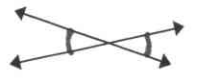
B. A segment, line, or plane that intersects a segment at its midpoint



C. a pair of adjacent angles whose noncommon sides are opposite rays



D. Points that lie on the same line



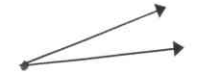
E. Two nonadjacent angles formed by two intersecting lines

A ●

F. marks a place in space



G. an angle whose measure is 180°



H. an angle whose measure is less than 90°



I. a measurable part of a line that consists of two endpoints and all the points between them



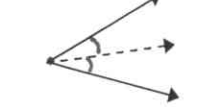
J. a flat surface that extends in all directions forever



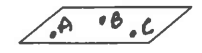
K. part of a line consisting of one endpoint and extends indefinitely in one direction



L. two angles whose measures total 180°



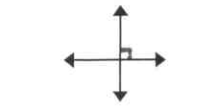
M. divides an angle into two congruent angles



N. points that lie in the same plane



O. angle whose degree measure is greater than 90°



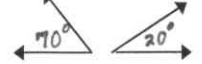
P. lines that form right angles



Q. segments with the same measure



R. a point that divides a segment into two segments with equal measure



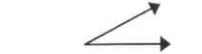
S. two angles whose measures total 90°



T. an angle whose measure is 90°



U. a series of points that extends in two opposite directions without an end.



V. Formed by two noncollinear rays with a common endpoint.

___ 1) Collinear points

___ 2) Adjacent angles

___ 3) Complementary angles

___ 4) Supplementary angles

___ 5) Ray

___ 6) Angle

___ 7) Vertical angles

___ 8) Linear pair

___ 9) Plane

___ 10) Congruent segments

___ 11) Straight angle

___ 12) Coplanar

___ 13) Point

___ 14) Obtuse angle

___ 15) Line

___ 16) Segment

___ 17) Acute angles

___ 18) Midpoint

___ 19) Right angle

___ 20) Angle bisector

___ 21) Segment bisector

___ 22) Perpendicular lines

Do the following problems on another piece of paper:

Chapter 1 Review Problems: p. 19: # 21, 23, 25
p. 30: # 3, 4, 5, 9, 10
p. 41: # 9, 10
p. 81: #14
p. 83: # 2
p. 84: # 7
p. 85: # 13

Write the definitions or formulas for the following:

Chapter 1: Distance Formula

Midpoint Formula

Chapter 3: Parallel lines

Parallel plane

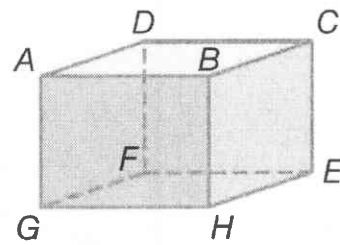
Skew lines

Transversal

Slope Formula

Chapter 3 Review Problems

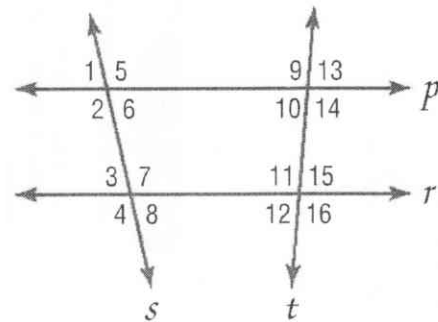
1. a plane parallel to plane ABC
2. a segment skew to \overline{GH} that contains point D .
3. all segments parallel to \overline{HE} .



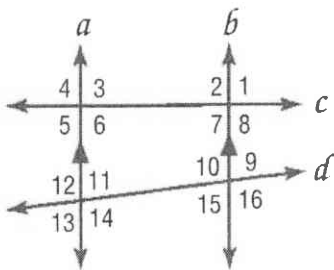
Use this diagram to answer questions 1-3

Identify the transversal connecting the pair of angles. Then classify the relationship between each pair of angles as *alternate interior*, *alternate exterior*, *corresponding* or *consecutive interior* angles.

4. $\angle 6$ and $\angle 3$
5. $\angle 1$ and $\angle 14$
6. $\angle 10$ and $\angle 11$
7. $\angle 5$ and $\angle 7$

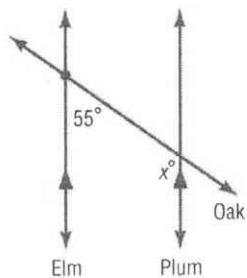


In the figure below find the measure of each angle if $m\angle 4=104^\circ$ and $m\angle 14=118^\circ$

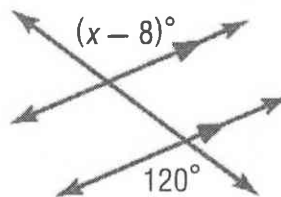


8. $\angle 2$
9. $\angle 9$
10. $\angle 10$
11. $\angle 7$

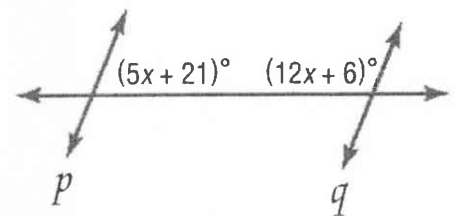
12. Find x



13. Find x



14. Find x so that $p \parallel q$



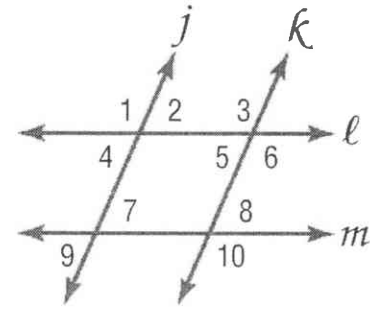
Given the following information, determine which lines, if any, are parallel. Justify your answer.

15. $\angle 1 \cong \angle 3$

16. $\angle 2 \cong \angle 5$

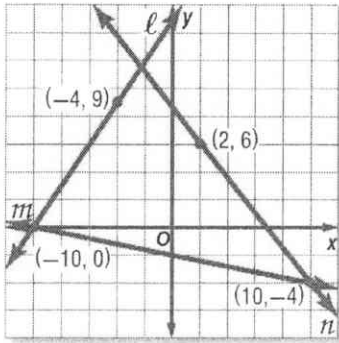
17. $\angle 3 \cong \angle 10$

18. $m\angle 6 + m\angle 8 = 180$



19. Find the slope of line m .

20. Determine the slope of the line that contains the points $A(8,1)$ and $B(8, -6)$



Determine whether \overleftrightarrow{AB} and \overleftrightarrow{XY} are *parallel*, *perpendicular*, or *neither*. Graph each line to verify your answer.

21. $A(2,0), B(4, -5), X(-3, 3), Y(-5, 8)$

22. $A(5, 3), B(8,0), X(-7,2), Y(1, 10)$

