Key

Math 1

Name _____

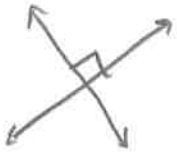
Date _____

6-1 Vocabulary Review

Draw an example of the following vocabulary terms and then define them. *Your definition should describe your picture with enough detail so that someone else would draw the same picture as you!*

1. **PERPENDICULAR LINES**

Example

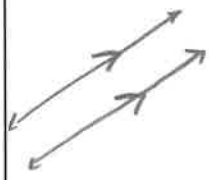


Definition

Two lines that intersect & form right angles

2. **PARALLEL LINES**

Example

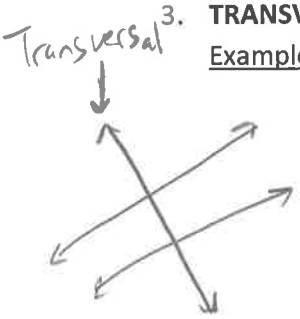


Definition

Lines that have the same slope & never intersect.

3. **TRANSVERSAL**

Example



Definition

A line that intersects two or more other lines at different points.

4. **LINEAR PAIR**

Example

Definition

Two angles that are adjacent & supplementary.

For each given picture, write the vocabulary term that describes it, and then define it.

5.

Vocab Word

Ray

Definition

Part of a line that starts at a point & goes forever in one direction

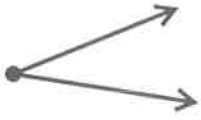
6.

Vocab Word

Line

Definition

Undefined Goes forever in both directions

7. 

Vocab Word

Angle

Definition

Two rays that have a common endpoint.

8.

Vocab Word

Line Segment

Definition

A part of a line with two endpoints.

Use the word bank to match the correct vocabulary term with its definition. *You will use each word once!*

9. The common endpoint in an angle.

Vertex

10. Congruent, non-adjacent angles that are created by two intersecting lines.

Vertical Angles

11. A point on a line segment that divides it into two congruent segments.

Midpoint

12. An angle that measures between 90^o and 180^o.

Obtuse

13. An angle that measures 180^o.

Straight Angle

14. Two angles whose measures add to 180^o.

Supplementary

15. An angle that measures exactly 90^o.

Right

16. Two angles whose measures add to 90^o.

Complementary

17. An angle that measures less than 90^o.

Acute

18. An exact location.

Point

19. A line or ray that divides an angle into two congruent parts.

Angle bisector

20. A part of the circumference of a circle.

Arc

21. A set of all points equidistant from a center point.

Circle

22. Two lines that cross at a single point.

Intersecting Lines

23. When two points on a line segment are the same length apart from its midpoint.

Equidistant

Word Bank

~~Right~~

~~Equidistant~~

~~Angle Bisector~~

~~Circle~~

~~Obtuse~~

~~Vertical Angles~~

~~Intersecting Lines~~

~~Arc~~

~~Point~~

~~Midpoint~~

~~Complementary~~

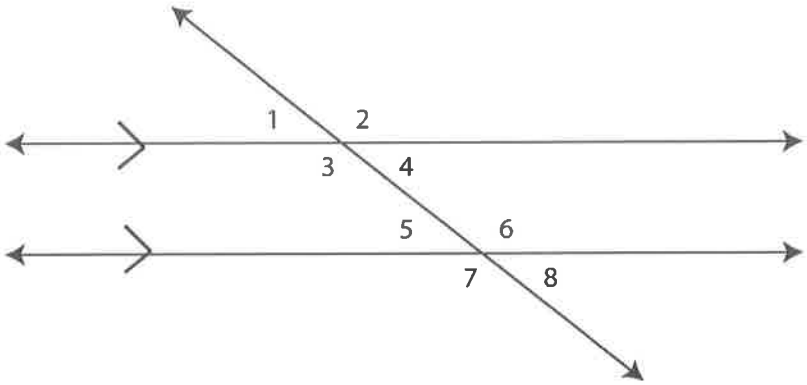
~~Acute~~

~~Supplementary~~

~~Straight Angle~~

~~Vertex~~

Given the diagram below, answer the following questions:



24. **Corresponding angles** are on the (same / opposite) side of the transversal, in corresponding positions.

    Are they congruent? Yes

    Name a pair of corresponding angles: ∠1 ≅ ∠5

25. **Interior angles** are (inside / outside) the parallel lines.

    Name an interior angle: ∠3

26. **Exterior angles are** (inside / outside) the parallel lines.

    Name an exterior angle: ∠7

27. **Alternate interior angles** are (inside / outside) the parallel lines, and on (opposite / same) sides of the transversal.

    Are they congruent? Yes

    Name a pair of alternate interior angles: ∠3 ≅ ∠6

28. **Alternate exterior angles** are (inside / outside) the parallel lines, and on (opposite / same) sides of the transversal.

    Are they congruent? Yes

    Name a pair of alternate exterior angles: ∠1 ≅ ∠8

29. **Same-side exterior angles** are (inside / outside) the parallel lines, and on (opposite / same) sides of the transversal.

    Name a pair of same-side exterior angles: ∠2 ≅ ∠8