nes Segments, and Rays

Draw the diagram that goes with

Draw the diagram that goes with each geometric term below, and then write a definition.

Angle

Two rays with a common end point

Segment
Horizontal line
segment

Intersecting line segments

Line

An infinite set of points, forming a straight path the extends in two directions

Line segment

A part of a line

with 2 endpoints

Perpendicular

Parallel

Point • An exact location indicated with a dot.

Ray

Skew

Vertex (Vertices is plural)

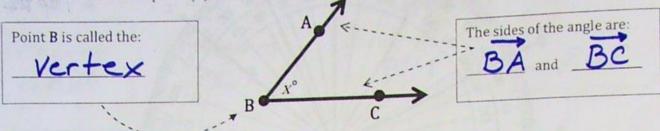
Vertical line segment

The point that two segments or rays intersect.

Angles

Angles are made up of two rays with a common endpoint, called the vertex. Rays are named starting with the endpoint and then another point on the ray. Ray \overrightarrow{BA} and ray \overrightarrow{BC} share a common endpoint (B). Notice that both rays are named starting with B.

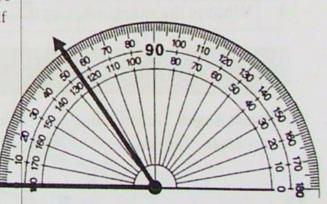




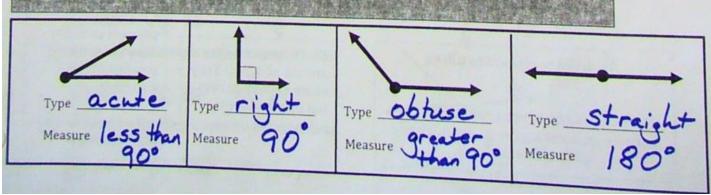
Angles are usually named by three capital letters. The middle letter names the **Vertex**. If only one angle is located at a vertex, then the angle can be named using the vertex letter alone. And if there is a lower case letter between the two sides, the angle can also be referred to using the lower case letter.

The angle above can be named: $\angle B$ $\angle ABC$ $\angle CBA$ $\angle X$

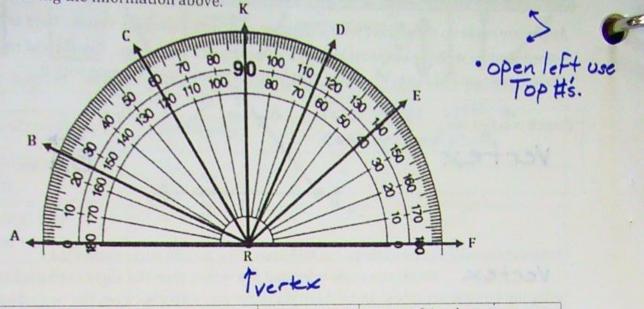
ANGLE MEASURES A protractor is used to measure angles. The protractor is divided evenly into a half circle of 180 degrees (180°). When the middle of the bottom of the protractor is placed on the vertex, and one of the rays of the angle is lined up with 0°, the other ray of the angle crosses the protractor at the measure of the angle. The angle below has the ray pointing left lined up with 0° (the outside numbers), and the other ray of the angle crossed the protractor at 55°.



Types of Angles



using the protractor below, find the measure of the following angles. Then, tell what type of angle it is using the information above.

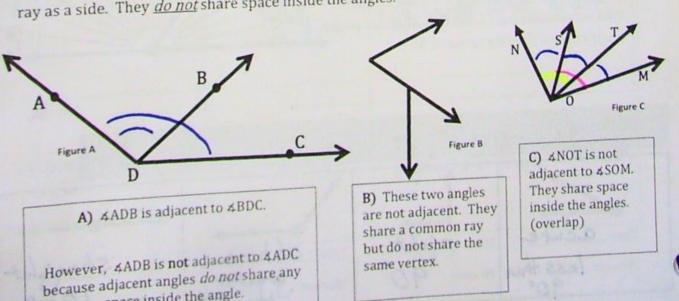


#	Question	Measure	Type of Angle
	What is the measure of ≰ARF?	180.	Straight
2	What is the measure of ≰CRF?	120	obhuse
3	What is the measure of ∠DRF?	65°	acute
4	What is the measure of 4ARD?	1150	obtuse

Adjacent Angles

space inside the angle.

Adjacent Angles - Adjacent angles are two angles that have the same vertex and share one ray as a side. They do not share space inside the angles.



For each diagram below, name the angle that is adjacent to it. #PQR is adjacent 4SRP is adjacent to & ROJ 4TUV is adjacent ∡CDB is adjacent to 4 PRT to 4 VUZ to & ADB Independent Practice Part 1: Circle the correct choice for each question. Which of the following is not a point on \overrightarrow{AC} ? (Y) B (2) Which of the following is not a correct name for a this line? (G) PO (L) OP (3) Which of the following is not the name of a segment in this figure? (T) ST TR (O) RS (4) Which of the following is not the name of a ray in this figure? (S) FG' (U) FE (W) EG (5) Which of the following is not a correct name for this angle? (Y) ZCBA (I) LACB (6) Which of the following is not the name of a line in this figure? (K) YZ (G) ZX (R) XY (7) Which of the following is a segment that has Bas an endpoint? (T) CB (C) AC (N) CD (8) Which of the following is not the name of a ray in this figure? (H) MO KO (9) Which of the following is not a correct name for an angle in this figure? (D) ZEHG A) LGHF