

Name _____

Geometry Notes



Word	Illustration	Description
point		an exact location in space; named by a capital letter
line		a straight path that extends forever in opposite directions; named by two points on the line
line segment		a part of a line with two endpoints; named by the two endpoints
plane		a flat surface that extends without end in all directions
ray		a part of a line with one endpoint that extends forever in one direction; named by the endpoint first followed by another point on the ray
angle		two rays joined at a common endpoint called the vertex; named by the vertex or the vertex and a point on each ray
vertex		the point on an angle or polygon where two lines or rays meet; named with a capital letter
intersecting		lines or segments that meet or cross at one point

Geometry Notes



Word	Illustration	Description
perpendicular		lines or segments that meet or intersect to form right angles (or a square corner)
parallel		lines or segments in a plane that stay the same distance apart and never meet or cross
horizontal		parallel to the horizon of the earth
vertical		perpendicular to the horizon of the earth
diagonal		slanted (neither horizontal nor vertical)
polygon		a 2-dimensional closed figure formed from 3 or more line segments that intersect at their endpoints
regular polygon		a polygon with congruent sides and angles
irregular polygon		a polygon with sides and angles that are not congruent