Name:	Date:
Stu	udent Reference: Geometry Concepts
Keep these pages i come in handy in the	n your geometry or math reference folder or binder. These definitions may e future.
•	in your math textbook or on the Geometry Bulletin Board Topper. Draw an m in the box provided.
	Lines
	Point: a fixed location having no dimension—no length, height, or width—and identified by at least one coordinate; represented by a dot on paper
	Line: a set of points that have one dimension—length—but no width or height; a geometric straight line is unlimited in extent; it has no endpoints
	Line Segment: a finite section of a straight line; it has two endpoints
	Ray: a section of a straight line that extends from one endpoint
	Parallel Lines: lines that extend in the same direction and at the same distance apart at every point, so as never to meet
	Intersecting Lines: two lines that cross each other at one point
	Perpendicular Lines: two lines that cross each other at one point to form four right angles
	Circles
	Circle: a plane figure bounded by a single curved line, every point of which is equally distant from the point at the center of the figure
	Arc: any part of a curve, especially of a circle

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• Circumference: the line bounding a circle

circumference

• Chord: a straight line segment joining any two points on an arc, curve, or

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	Diameter: a line segment passing through the center of a circle or sphere
	from one side to the other
	Radius: any straight line extending from the center to the edge of a circle or sphere
	Tangent: a line that touches, but does not intersect, a curve or curved surface at one and only one point
	Angles
	Right Angle: an angle measuring 90 degrees, formed by the intersection of two perpendicular lines
	Acute Angle: an angle that measures less than 90 degrees but more than 0 degrees
	Obtuse Angle: an angle that measures more than 90 degrees but less than 180 degrees
	Angle Bisector: a straight line that divides an angle into two equal parts
	Triangles
	Equilateral Triangle: a triangle with all sides equal
	Isosceles Triangle: a triangle with two equal sides
	Scalene Triangle: a triangle with no equal sides or angles
	Right Triangle: a triangle with one right angle
	Acute Triangle: a triangle with three acute angles
	Obtuse Triangle: a triangle with one obtuse angle
	Hypotenuse: the side opposite the right angle in a right triangle