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Point – An exact location. Perpendicular lines Two non-vertical lines in the coordinate plane are parallel if and only if. Angles that add up to °. Adjacent angles Adjacent angels on a straight line adds up to ° ∴ + = °. In addition to the pairs of named intercepted by angle and its vertical angle If a secant and a tangent intersect at the point of tangency, the measures of each angle formed!is one-half the measure of its intercepted Lines and angles. Give reasons for your answer. Where two lines meet or cross, they form an angle. Key Terms: Line segment – a line between two points. This theorem says that if l // m, then m+ m= ° m+ m= ° Theorem (Exterior Angles on Same Side Theorem) If two parallel lines are cut by transversal, then the exterior angles on the same side are supplementary Give reasons for your answer. QuestionFind the missing angle. Estimating and Measuring– Types of lines and anglesAngle FactsReminder: Types of Angles Less than°°angle Bigger thanbut less than ° Bigger than ° but less than ° Graphic Organizer/Reference (p.3) Intersections Inside of or On a Circle. A line is an infinite number of points between two end points. Understand and use angle properties of parallel lines. QuestionAre the lines AB and CD parallel? E.g. the supplement of ° is°. It is QuestionFind the angle x in each question below. QuestionMatilda is proving that the angles in a triangle add up to ° Angles that add up to°. E.g. the complement of° is°. Anglesand 5, anglesand 6, Here we will learn about angles in parallel lines including how to recognise angles in parallel lines, use angle facts to find missing angles in parallel lines, and apply angles If two lines are cut by a transversal and the interior angles on the same side of the transversal are supplementary, the lines are parallel. a If two angles of one triangle are congruent to two angles of another tri-angle, then the third angles are congruent %PDF %Ã¤Ã¼Ã¶¶ÃŸobj > stream xœ WË®Û6 Ýë+´ `—3 –d È...ºkÓ ¸-Ðlòû)Q¶d7†a • Find missing angles using corresponding and alternate angles. Explain your answer. You will need to be able to remember each of these types of angle so that you can explain the Corresponding angles are one exterior and one interior angle that are on the same side of the transversal and do not have a common vertex. An angle is an amount of rotation. Angles that have a common vertex and a common arm → and are adjacent angles. If a secant and a tangent intersect at the point of tangency Created Date: Z' If two parallel lines are cut by transversal, then the interior angles on the same side are supplementary. they have the same slopeThe sum of the measures of the angles of a triangle is °. Supplementary angles. Understand and use angle properties of parallel lines. If two secants intersect inside of a circle, the measure of the angle formed is one-half the sum of the measure of the arcs intercepted by angle and its vertical angle. Intersecting – where two or more lines Created Date: Z' When a line intersects two parallel lines, different types of angle are formed.