## Geometry Fall Final Exam Topic List 2016 Geometry Fall Final Exam Topic List 2016 ☐ Identify whether an "argument" is ☐ Identify whether an "argument" is inductive or deductive reasoning; explain. inductive or deductive reasoning; explain. ☐ Find the next items in a pattern. ☐ Find the next items in a pattern. $\square$ Identify angles as acute, obtuse or right. ☐ Identify angles as acute, obtuse or right. Use definitions of midpoint, angle Use definitions of midpoint, angle bisector, complementary or bisector, complementary or supplementary to solve algebra equations. supplementary to solve algebra equations. ☐ Know marks for congruent segments and ☐ Know marks for congruent segments and angles. angles. ☐ Know that linear pairs of angles are ☐ Know that linear pairs of angles are supplementary and use to solve problems. supplementary and use to solve problems. □ Name segments, lines, rays, planes, ☐ Name segments, lines, rays, planes, points, and angles appropriately and points, and angles appropriately and identify coplanar and collinear pts/lines. identify coplanar and collinear pts/lines. □ Name angle pairs correctly in sketches ☐ Name angle pairs correctly in sketches (vertical, linear pairs, corresponding, (vertical, linear pairs, corresponding, alternate interior, alternate exterior, alternate interior, alternate exterior, consecutive interior. consecutive interior. Know which of these are congruent and Know which of these are congruent and which are supplementary when parallel which are supplementary when parallel lines are cut by a transversal; use to lines are cut by a transversal; use to solve problems with algebra. solve problems with algebra. ☐ Identify which lines are parallel given ☐ Identify which lines are parallel given information about angle pairs; explain. information about angle pairs; explain. ☐ Know the difference between rigid ☐ Know the difference between rigid transformations (isometries) and nontransformations (isometries) and nonrigid. Know three types of rigid ones. rigid. Know three types of rigid ones. ☐ Know that translation moves along a ☐ Know that translation moves along a vector, so left or right, up or down. Know vector, so left or right, up or down. Know how to translate from words, coordinate how to translate from words, coordinate rule, or vector notation. rule, or vector notation. ☐ Know that reflections have a line of ☐ Know that reflections have a line of symmetry; each point equidistant from symmetry; each point equidistant from that line. Reflections have opposite that line. Reflections have opposite orientation. orientation. ☐ Know that rotations are around (about) a ☐ Know that rotations are around (about) a point, measured in degrees clockwise or point, measured in degrees clockwise or counterclockwise (default direction). counterclockwise (default direction). ☐ Identify lines of symmetry, points of ☐ Identify lines of symmetry, points of rotational symmetry and degrees of rotational symmetry and degrees of rotational symmetry from sketches. rotational symmetry from sketches.