

Skills/Knowledge Needed for DL Quiz #3

- 1) State if a given polygon is convex or concave and identify such a polygon from its definition.
- 2) Know the names given to polygons with three, four, five, six, seven, and eight sides.
- 3) Given a conditional (if-then) statement, write the converse, inverse, and contrapositive of the statement.
- 4) Convert the equation of a line from slope-intercept form to standard form and vice versa.
- 5) Know the slopes of horizontal and vertical lines.
- 6) Given a line shown on a coordinate plane, determine the equation of the line.
- 7) Given two points, find the equation of the line passing through the two points.
- 8) Given two sets of points, compare the line through the first set of points to the line through the second set of points to determine if the lines are parallel, perpendicular, or neither.
- 9) Given the equation of a line and the coordinates of a point, find the distance from the point to the line.
- 10) Given a transversal with two lines and two marked angles, state the relationship between the marked angles (vertical, adjacent, corresponding, alternate interior, alternate exterior, or same-side interior).
- 11) Given the measure of one angle on a diagram containing a transversal with two parallel lines, determine the measures of the other seven angles.
- 12) Given two (or more) parallel lines and a transversal, along with algebraic expressions for two of the angles, find the measures of all of the angles.