Name(s):	Date:

- 1. Form a group of less than five people.
- 2. Create at least one Java file that:
 - a. Unit 1: Primitive Types
 - i. Uses System.out.print() or System.out.println().
 - ii. Uses string literals.
 - iii. Uses the primitive types int, double, and boolean.
 - iv. Uses reference types.
 - v. Uses a final variable.
 - vi. Uses all arithmetic operations (+, -, *, /, %).
 - vii. Uses casting.
 - viii. Uses Integer.MIN VALUE or Integer.MAX VALUE.
 - b. Unit 2: Using Objects
 - i. Uses objects with private attributes (fields, properties).
 - ii. Uses constructors with formal parameters.
 - iii. Passes actual parameters.
 - iv. Uses overloaded constructors.
 - v. Constructs objects with the keyword new.
 - vi. Uses the keyword null.
 - vii. Includes at least one zero-parameter method.
 - viii. Uses at least one non-static method.
 - ix. Uses at least one void method (excluding the main method).
 - x. Includes methods with parameters.
 - xi. Uses method overloading.
 - xii. Uses non-void methods.
 - xiii. Concatenates Strings.
 - xiv. Concatenates Strings and primitives.
 - xv. Uses an escape sequence $(\", \)$, or $\)$.
 - xvi. Includes a toString() method.
 - xvii. Uses at least one of the following String methods:
 - length()
 - 2. substring()
 - 3. indexOf()
 - 4. equals()
 - 5. compareTo()
 - xviii. Uses at least one static method (excluding the main method).
 - xix. Uses the Math methods:
 - 1. abs()
 - 2. pow()
 - 3. sqrt()
 - 4. random()
 - c. Unit 3: Boolean Expressions and if Statements
 - i. Uses at least one relational operator (==, !=, >, <, >=, <=)
 - ii. Uses if statements.
 - iii. Uses else statements.
 - iv. Uses at least one logical operator $(!, \&\&, |\cdot|)$