1. A type, or data type, defines both the possible values of the data and the operations on the data.

2. If $a = 35$ and $b = 3$ are ints:
   (a) $a/b = \underline{11}$
   (b) $a\%b = \underline{2}$

3. Determine the output of the following Java program:

   ```java
   int x;
   x = 32;
   int y = 2;
   System.out.println(x/y*y*y);
   ```

   Output: \underline{64}

4. True or False (Circle one): If we decided to represent the number $\sqrt{2}$ with a float, then we could represent the number exactly.

5. True or False (Circle one): In Java, the class Math contains operations to perform complex math functions like cosine, sine, square roots, and more.