JAVA ASSIGNMENT 5: Decimal Comparator

Write a method **areEqualByThreeDecimalPlaces** with **two parameters** of type **double**.

The method **should return boolean** and it needs to return true if two double numbers are the same up to three decimal places. Otherwise, **return false.**

EXAMPLES OF INPUT/OUTPUT:

* areEqualByThreeDecimalPlaces(-3.1756, -3.175); → should **return true** since numbers are equal up to 3 decimal places.

* areEqualByThreeDecimalPlaces(3.175, 3.176); → should **return false** since numbers are not equal up to 3 decimal places

* areEqualByThreeDecimalPlaces(3.0, 3.0); → should **return true** since numbers are equal up to 3 decimal places.

* areEqualByThreeDecimalPlaces(-3.123, 3.123); → should **return false** since numbers are not equal up to 3 decimal places.

TIP: Use paper and pencil.

TIP: Use casting.

NOTE: The **areEqualByThreeDecimalPlaces** method needs to be defined as **public static** like we have been doing so far in the course.

NOTE: Do not add a **main** method to solution code.