Exercise 3

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Exercise 3

4 points possible (graded)

ESTIMATED TIME TO COMPLETE: 5 minutes

1. True or False? The internal computer representation of any number is always an approximation.

   - True
   - False

2. The decimal 11 is what binary?:

   - 11
   - 1011
   - 1101
   - cannot be converted

3. True or False? The internal representation of the decimal number 1/10 = 0.1 requires an infinite number of digits.

   - True

- False

4. After many computations, you get two floating numbers stored in variables `a` and `b`. Your code compares the numbers with `a == b`.

- Doing the comparison will always lead to a correct program.
- Doing the comparison will sometimes lead to a correct program.
- Doing the comparison will never lead to a correct program.

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