Visual Basic
Random Number Worksheet #3

Name -
Period -

Predict the range of random values that could be displayed. Write your answers in the format demonstrated in the examples. Be sure to specify whether the value is an integer or a decimal number.

Example: `Math.Floor(Rnd() * 6) + 2` Answer: *an integer between 2 and 7*

we know lo = 2
and we know hi - lo + 1 = 6
then the following steps of algebra can be used to solve for hi

hi - 2 + 1 = 6 after plugging 2 in for lo
hi - 2 = 5 after subtracting 1 from both sides
hi = 7 solving for hi after adding 2 to both sides

1. `Math.Floor(Rnd() * 5) + 1` An integer between _____ and _____

2. `Math.Floor(Rnd() * 5) + 10` An integer between _____ and _____

3. `Math.Floor(Rnd() * 10)` An integer between _____ and _____

4. `Math.Floor(Rnd() * 5) - 2` An integer between _____ and _____

5. `Math.Floor(Rnd() * 6) - 10` An integer between _____ and _____

6. `Math.Floor(Rnd() * 1)` An integer between _____ and _____

7. `Math.Floor(Rnd() * 6) Mod 2` An integer between _____ and _____

8. `(Math.Floor(Rnd() * 6) + 1) + (Math.Floor(Rnd() * 6) + 1)`
An integer between _____ and _____