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Homework #3

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```
private static boolean pointIsInCircle(double xCoord, double yCoord) {
    double x = xCoord;
    double y = yCoord;
    if (Math.pow(x - 1, 2) + Math.pow(y - 1, 2) <= 1) {
        return true;
    }
    return false;
}</pre>
```

```
private static int numberOfPointsInCircle int n
  int count = 0;
  for (int i = 0; i < n; i++) {
      double xCoord = Math.random() * 2;
      double yCoord = Math.random() * 2;
      if (pointIsInCircle(xCoord, yCoord)) {
           count++;
      }
  }
}</pre>
```