

✔ Congratulations! You passed!

Grade received 100%

Latest Submission Grade 100%

To pass 80% or higher

Go to next item

1. Most real distributions are difficult to sample from with uniform sampling

1 / 1 point

☒ True

☐ False

✔ **Correct**

2. Uniform sampling is inefficient as the number of dimensions grow

1 / 1 point

☒ True

☐ False

✔ **Correct**

3. In high-dimensional spaces, most of the mass in the probability density is concentrated in a small region

1 / 1 point

☒ True

☐ False

✔ **Correct**

4. Ideally we want to sample from regions where the function $f(x)$ and the probability density $p(x)$ is high

1 / 1 point

☒ True

☐ False

☒ Correct

5. The Inverse Transform Method uses

1 / 1 point

☐ The inverse of the PDF to generate our desired distribution

☒ The inverse of the CDF to generate our desired distribution (C)

☒ Correct