**P1. The absolute difference between two independent standard uniform variables (uniform on (0,1)) has a particular triangular distribution (see** [**https://en.wikipedia.org/wiki/Triangular\_distribution**](https://en.wikipedia.org/wiki/Triangular_distribution)**(**

1. **Use this particular distribution to generate a sample for the absolute difference between two independent standard uniform variables**
2. **Can you generate a sample for the absolute difference between two independent standard uniform variables directly (without using the triangular distribution)?**

**P2. Try putting in extreme values for our observations in the cheating example. What happens if we observe 25 affirmative responses? 10? 50?**