

Math 20

**Exam 2 Topics**

**Exam Date: August 11**

The following is a list of topics covered on Exam 2:

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- Important Distributions: uniform, binomial, geometric, Poisson
- Important Densities: uniform, normal, exponential, Cauchy
- Expect value and its properties; Conditional expectation
- Variance and its properties
- Sums of independent random variables (discrete and continuous)
- (discrete and continuous) convolution
- Markov's inequality
- Chebyshev's inequality
- Law of large numbers (weak and strong versions)