# Calculator Functions

| **Normal distribution functions** | **Syntax and purpose** |
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| Normalpdf | Normalpdf(x, mean, standard deviation)* To graph a normal curve
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| Normalcdf | Normalcdf( lower bound, upper bound, mean, standard deviation)* Gives you the area below a certain point or between 2 points
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| invNorm | invNorm(probability, mean, standard deviation)* It will give you the x value that the probability was derived from
* Ex) if you want to know what x value gives you the 90th percentile, you do **invNorm(.9, mean, sd)** and it gives you the x value
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| invT | invT(probability, degrees of freedom)* This will give you your t value
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| Binompdf | Binompdf(n, probability, x)* Gives you the probability of something happening at a certain x value
* Only one point, not a range
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| Binomcdf | Binomcdf(n, probability x)* Gives you the probability of $\leq $ x happening
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| Geometpdf | Geometpdf(proabaility, x)* Gives you the probability of x happening if n is not defined
 |
| Geometcdf | Geometcdf(proability, x)* Gives you the probability of $\leq $ x happening when n is not defined
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