

Functions & Trig.  
Random Numbers HW  
Mr. Wing

Name \_\_\_\_\_

1.) A cereal company is including a “prize” in the bottom of each box. The cereal company claims that 40% of the boxes contain temporary tattoo’s and that 60% of the boxes contain a small plastic toy. Describe how you can perform a simulation of getting the same “prize” twice after purchasing two boxes of cereal.

2.) A married couple has a genetic disease that will typically affect 20% of the couple’s offspring. The couple is worried that if they have two children that that will have one or both of the children with the genetic disease. Describe how you can perform a simulation to predict how likely the couple with have one or both of the children with the genetic disease.