**Part 2 - Review of Basic Probability**

**1. What is the difference between the following?**

* **Theoretical Probability**
* **Empirical Probability**
* **Subjective Probability**

**2. What is the probability of rolling a 4 or a 3 on a standard 6-sided dice?**

**3. What is the probability of pulling a face card (J, Q, K) out of a standard deck   
 of cards (52 cards)?**

**4. Janet has a rectangular back yard with a circular swimming pool. Her yard is   
 100 feet by 60 feet. Her swimming pool has a diameter of 16 feet. If your   
 neighbor kicked a ball over the fence and into Janet’s back yard, what is the   
 probability that the ball lands in the swimming pool?**

**100 feet  
  
  
  
 16 feet 60 feet**