

Challenge #1 part 2

$$\log P(X = x|n, p) = \log \binom{n}{x} + x \log p + (n - x) \log(1 - p)$$

Implement the Binomial loglikelihood function.

```
binomial.ll <- function(  
  x,  
  params = list( n = 1, p = 0.5 )  
) {  
  ...computation goes here...  
  return( result )  
}
```

NB. Please use the suggested interface above. This will help later on.

Note: in R, `lchoose()` implements the ‘log of n choose x’ term above

Hint: you can use the built-in `dbinom()` function to help if you want, or for extra street cred implement directly.