

1.2

Nasser.

I will use the same information as 1.2.2.b  
so the fraction between  $[-1, 1]$  is the  
actual U.P. population average between  
-1 inch and 1 inch which is 68.2%.

I need the probability for more than

1 inch and -1 inch which is

$$P(x) = 1 - 0.682 = 0.318 = 31.8\%$$