✓ **Congratulations! You passed!**

TO PASS 75% or higher

[Keep Learning]

GRADE
88.88%

Practice quiz on Probability Concepts

TOTAL POINTS 9

1. If $x =$ "It is raining," what is $\sim (\sim x)$? **1 / 1 point**

   ○ "It is never raining"

   ◉ "It is raining"

   ○ "It is not raining"

   ○ "It is always raining"

   > ✓ **Correct**
   >
   > The second negation cancels out the first one.
   >
   > Similarly $\sim (\sim (\sim x)) = \sim x$

2. If the statement "I am 25 years old" is assigned probability 0, what probability is assigned to the statement "I am not 25 years old"? **1 / 1 point**

   ○ 0

   ○ -1

   ○ Unknown

   ◉ 1

   > ✓ **Correct**
   >
   > It is always the case that $p(x) + p(\sim x) = 1$.

3. If I assign to the statement x = "it will rain today" a probability of $p(x) = 0.35$, what probability must I assign to the statement "it will not rain today?" **1 / 1 point**

   ○ .5

   ○ 0