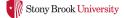
## Exponential and Logarithmic Functions

## **Problem**

For every real number x,

$$\ln{(x+3)^2} = 2\ln{(x+3)}$$

- (a) True
- (b) False



Answer: (b) False. Focus on domain of the two functions. Students may be confused by memorized properties of the logarithm. Look at the corresponding graphs for further justification.

