***REGULARIZATION QUIZ***

* You’re training a classification model w/ *logistic* regression. Which of the following are true?
* **Adding many new features to a model makes it more likely to overfit the training set, but NOT always**
* **Introducing regularization to the model does NOT always results in equal or better performance on examples the training set nor in the test set/for new examples**
* Suppose you ran logistic regression twice, once with λ = 0, and once with λ = 1. One time, you got parameters θ = [23.437.9], and the other time you got θ = [1.030.28]. However, you forgot which value of λ corresponds to which value of θ. Which one do you think corresponds to λ=1?
* **θ=[1.03 0.28]** (λ large = penalty large = parameters closer to 0)
* Which of the following statements about regularization are true?
* **Using too large a value of λ can cause your hypothesis to underfit the data; this can be avoided by reducing λ.**
* **Consider a classification problem. Adding regularization may cause your classifier to incorrectly classify some training examples (which it had correctly classified when NOT using regularization, i.e. when λ=0).**