

Math 481 REAL QUIZ #4

NAME: (print!) _____

E-MAIL ADDRESS: (print!) _____

1. Suppose that X is a random variable taking the values $-3, -2, -1, 0, 1, 2, 3$ with equal probability, and let $Y = X^4$.

a. What is $Cor(X, Y)$?

b. Are X and Y independent?