# QUESTION 1

factorial(12)

# QUESTION 2 (4*5 = 20, TO 5*10=50)

vec1 <- c(4:10) vec2 <- vec1\*5 vec2

# QUESTION 3

quadratic\_formula <- function(a,b,c) {

if((b^2)-(4*a*c)>=0) { q\_p\_x <-((-1*b)+sqrt((b2)-(4ac)))/(2a) q\_n\_x <- ((-1b)-sqrt((b2)-(4*a*c)))/(2*a) quadratic <- c(q\_p\_x, q\_n\_x) quadratic } }

quadratic\_formula(2, -5, -3)

sample(Cars93$Make, 10)medians <- numeric(1000) for (i in 1:1000) { medians[i] <- median(sample(x, replace=TRUE)) } sample(c("H","T"), 10, replace=TRUE) pbinom(7, size=10, prob=0.5)