HW #6 pg 413

96 a) Not geometric b/c select cards w/o replacement, trials are not independent.

b) Assume independent, probability of success = 0.1 continues to shoot until he gets bull's-eye.

X = # of shots needed to get bull's eye is a geometric random variable with p = 0.1

98 a) X = # of pulls Rita needs to start lawn mower

$P(X=3) = (0.8)^2(0.2) = 0.128$

b) $P(X>10) = 1 - P(X \leq 10) = 0.1074$