EG02041 Advanced Mathematics
Feedback Quiz (9): Probability
Total Points: 10

Name: ID:

1. **Exercise:** A jar contains 9 black balls, 3 yellow balls, 6 green balls, and 2 red balls. The jar is well shaken and a ball is drawn from the jar.
   a) Find the probability that the ball is yellow.
   b) Find the probability that the ball is red.
   c) Find the probability that ball is red or yellow.

2. **Exercise:** Genetics. Suppose that a pea plant of genotype $Ff$ is self-pollinated.
   a) Find the probability that an offspring is of each of the three genotypes.
   b) Find the probability that the offspring will have purple flowers.
   c) Find the probability that the offspring will have white flowers.