

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.