

4. If the mother is homozygous recessive, and the father is heterozygous.

a) Write the genotype probabilities.

b) Write the phenotype probabilities.

Black 50% Gray 50%

Show Punnet Squares below for 1-5.

Problem #1 - Use a Punnett square to predict the genotypic and phenotypic outcome (offspring) of a cross between two heterozygous/hybrid tall (Tt) pea plants

Problem #2 - In pea plants, yellow peas are dominant over green peas.

Use a Punnett square to predict the phenotypic and genotypic outcome (offspring) of a cross between a plant heterozygous/hybrid for yellow (Yy) peas and a plant homozygous/purebred for green (yy) peas.

Problem #3 - In pea plants, yellow peas are dominant over green peas.

Use a Punnett square to predict the phenotypic and genotypic outcome (offspring) of a cross between a plant heterozygous for yellow peas and a plant homozygous dominant.

Problem #4 - In pea plants, round peas are dominant over wrinkled peas.

Use a Punnett square to predict the phenotypic and genotypic outcome (offspring) of a cross between a pure round plant and a pure wrinkled plant.

Problem #5 - In pea plants, round peas are dominant over wrinkled peas.

Use a Punnett square to predict the phenotypic and genotypic outcome (offspring) of a cross between two

