Genetics Practice Problems - Simple Worksheet

1. For each genotype below, indicate whether it is heterozygous (He) or homozygous (Ho)

   AA _____  Ee _____  Ii _____  Mm _____
   Bb _____  ff _____  Jj _____  nn _____
   Cc _____  Gg _____  kk _____  oo _____
   DD _____  HH _____  LL _____  Pp _____

2. For each of the genotypes below determine what phenotypes would be possible.

   Purple flowers are dominant to white flowers.
   PP ___________________
   Pp ___________________
   pp ___________________

   Brown eyes are dominant to blue eyes
   BB ___________________
   Bb ___________________
   bb ___________________

   Round seeds are dominant to wrinkled seeds.
   RR ___________________
   Rr ___________________
   rr ___________________

   Bobtails in cats are recessive.
   TT ___________________
   Tt ___________________
   tt ___________________

3. For each phenotype below, list the genotypes (remember to use the letter of the dominant trait)

   Straight hair is dominant to curly. Pointed heads are dominant to round heads.
   _____ straight  _____ pointed
   _____ straight  _____ pointed
   _____ curly  _____ round