NAME _____ DATE _____ PERIOD _____

Monohybrid Practice

DIRECTIONS: For each genotype below, indicate whether it is heterozygous (Hetero) or homozygous (Homo)

AA _____

Bb _____

Cc _____

dd _____

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

Purple flowers are dominant to white flowers.

PP _____

Pp _____

pp _____

Bobtails (t) in cats are recessive to long tails.

TT _____

Tt _____

tt _____

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

Straight hair (H) is dominant to curly.

____ straight

____ straight

____ curly

Pointed leaves (P) are dominant to round leaves.

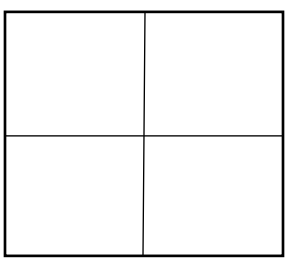
_____ pointed

_____ pointed

_____ round

DIRECTIONS: Set up the Punnet squares for each of the crosses listed below. Show all work!!!

1. Round seeds are dominant to wrinkled seeds. All offspring are wrinkled. What is the likely genotype of the parents? _____ X _____ Work the Punnett Square to prove it.



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2 Green is the dominant skin color for sea monsters (G), while yellow (g) is the recessive skin color. A yellow sea monster has two green sea monsters as parents. What are the genotypes of both parents?

Show the cross to prove it! _____ X _____

3. Long-haired guinea pigs are mated several times. Short is dominant. Out of 100 offspring, 25 of them have long hair. What are the probable genotypes of the parents?

_____ x _____

Show the cross to prove it!
