Dogs from Saturn: Using the data below, determine the inheritance of coat color (black, yellow) and tail length (long, short). Determine whether each trait is autosomal or sex-linked, and which allele is dominant or recessive. The parental genotypes are unknown (i.e., you cannot assume that they are homozygous.

Cross	parental phenotype	•	oring phenoty black, long	pes yellow, short	yellow, long
1	black, short x black, short	89	31	29	11
2	black, short x yellow, long	18	19	0	0
3	black, short x yellow, short	20	0	21	0
4	yellow, short x yellow, short	0	0	28	9
5	black, long x black, long	0	32	0	10
6	black, short x black, short	46	16	0	0
7	black, short x black, long	30	31	9	11

Mice from Pluto: Using the data below, determine the inheritance of coat color (gray, white) and tail shape (bent, normal). Determine whether each trait is autosomal or sex-linked, and which allele is dominant or recessive. The parental genotypes are unknown (i.e., you cannot assume that they are homozygous.

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1	gray, normal	white, bent	½ gray, bent ½ white bent	½ gray, normal ½ white, normal
2	gray, bent	white, normal	½ gray, bent ½ gray, normal	½ gray, bent ½ gray, normal
3	white, bent	white, normal	white, bent	white, bent
4	gray, normal	gray, normal	gray, normal	gray, normal
5	gray, bent	gray, bent	¾ gray, bent ¼ white, bent	¾ gray, bent ¼ white, bent
6	white, bent	gray bent	gray, bent	½ gray, bent ½ gray, normal