

2 (4 points). Circle those and only those numbers that represent probabilities.

0.85 -0.1 $\frac{8}{7}$ $\frac{7}{8}$ 0.999 -1 0 1

3 (6 points). A sample of cows yields the following contingency table.

	Dairy (D)	Meat (M)	Total
Spotted (S)	18	12	
Brown (B)	14	5	
White (W)	3	0	
total			

The experiment consists in choosing one of these 52 cows at random. For each of the following events, write it down formally, and compute its probability.

(a) The cow is brown.

(b) It's a dairy cow.

(c) It's a meat cow with spots.

(d) Either a brown or a dairy cow is chosen.

(e) The cow is not white.

(f) Are events "White" and "Meat" mutually exclusive? Explain.