2)  $\frac{2}{10}$  (8, 9), (8, 10)  $\frac{1}{5}$ 

3) (1,1) (2,2) (3,3) (4,4) (5,5) (6,6) (2,2) (4,4) (9,9) (4,9) (9,9) (4,9) (4,4) (5,5) (6,6) (2,2) (4,4) (9,9) (4,9)