**Hw1** (Jingxuan Ai, 10431517, 2019/2/17)

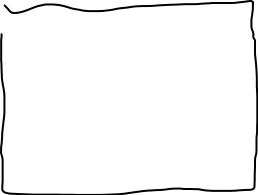
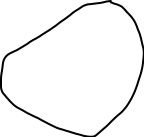
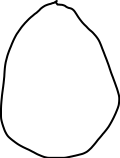
**1.1**

a.



A: Susan at bank last Monday

B: Jerry at bank last Monday



b.

A: Susan not at bank last Friday

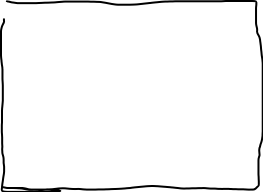
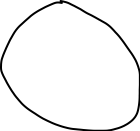
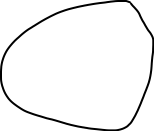
B: Jerry at bank last Friday

c.

A: Susan was there that time, B: Jerry was there that time, C: Both were there that time

**1.2**

A: Only Harold gets ‘B’



B: Only Sharon gets ‘B’

C: Both get ‘B’

D: Neither get ‘B’

a: 1%, b: 11%, c: 9%

**1.3**

Refer to question 1.1: P(A) = 30%, P(B) = 20%, P(AB) = 8%

, thus, A and B are not independent.

**1.4**

A: number of first dice, B: number of second dice

a.

, , .

Thus, they are not independent.

b.

Thus, they are independent.

**1.5**

1.

2.

**1.6**

1.

2.

3.

4.

Not independent.

5.

6.

7.

Thus, they are not independent.

**1.7**

图片包含 屏幕截图

描述已自动生成

**4 5 18 23**

**118 162 510 650**

**16 9 14 16**

**187 127 164 228**

**16 14 34 43**

**309 271 672 842**