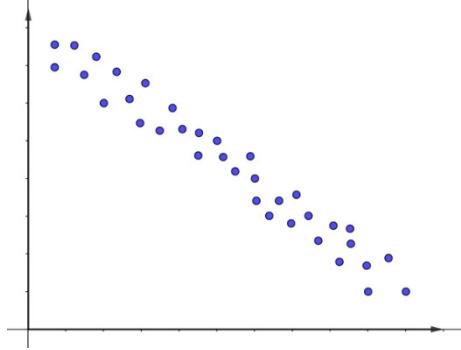
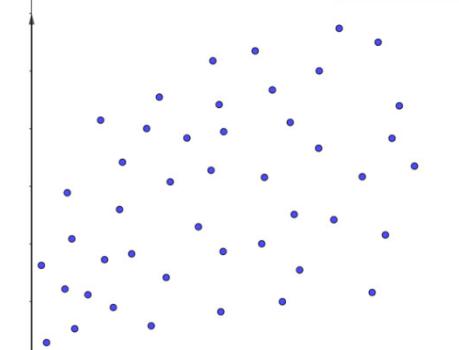
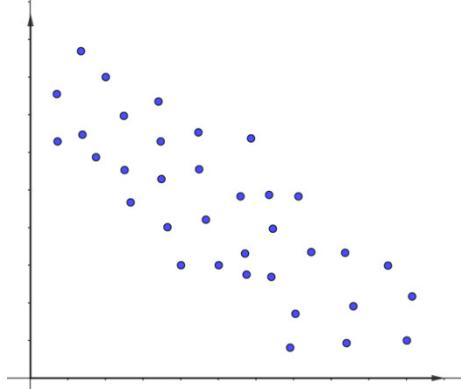
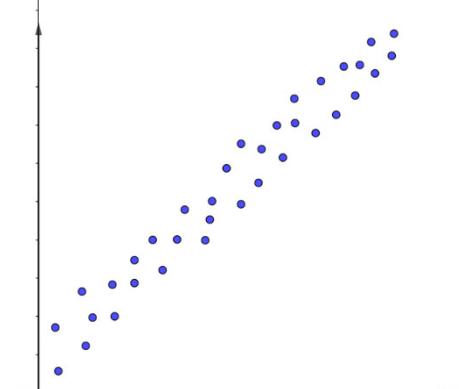


**Exercise 1**Calc. : **X**

We consider the following scatter diagrams with the corresponding linear correlation coefficients  $r_1, r_2, r_3$  and  $r_4$ .

Arrange these correlation coefficients in ascending order and **explain** your answer.

5 marks

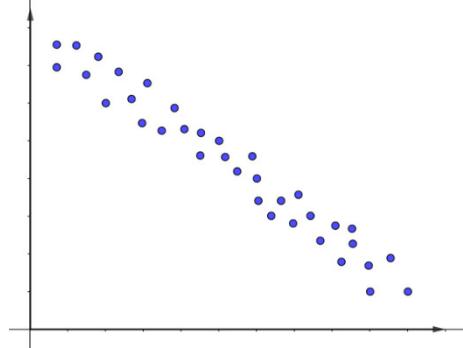
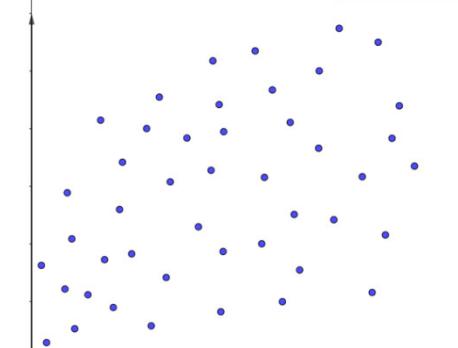
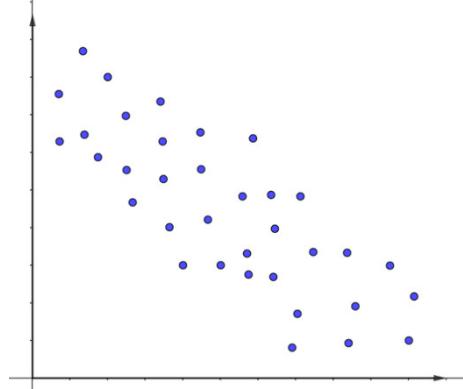
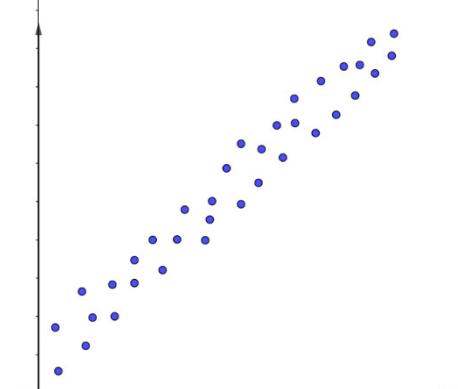
Scatter plot 1, with coefficient  $r_1$ Scatter plot 2, with coefficient  $r_2$ Scatter plot 3, with coefficient  $r_3$ Scatter plot 4, with coefficient  $r_4$ 

**Exercice 2**Calc. : X

On considère les nuages de points suivants qui correspondent aux coefficients de corrélation linéaire  $r_1, r_2, r_3$  et  $r_4$ .

Arranger ces coefficients de corrélation en ordre croissant et **expliquer** votre réponse.

5 marks

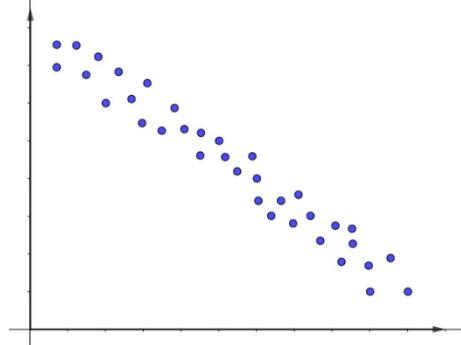
Nuage de points 1, avec coefficient  $r_1$ Nuage de points 2, avec coefficient  $r_2$ Nuage de points 3, avec coefficient  $r_3$ Nuage de points 4, avec coefficient  $r_4$ 

**Excercise 3**Calc. : X

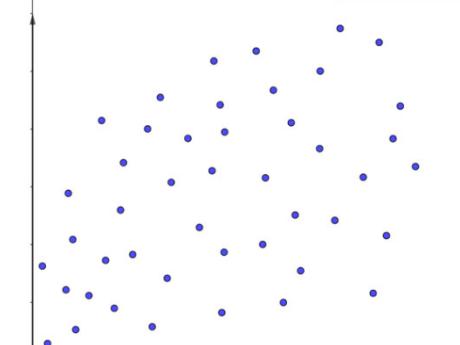
Tarkastellaan oheisia sirontakuvaajia joissa lineaariset korrelatiokertoimet ovat  $r_1$ ,  $r_2$ ,  $r_3$  et  $r_4$ . Järjestä korrelatiokertoimet suuruusjärjestykseen (pienimmistä suurimpaan) ja perustele vastauksesi.

5 marks

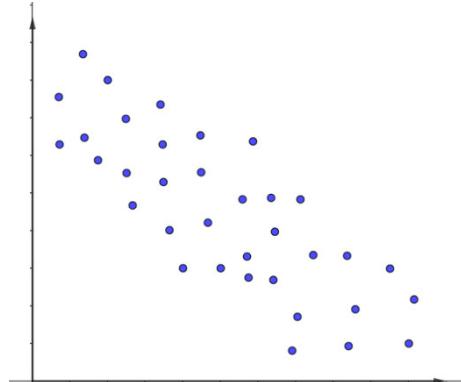
Sirontakuvaaja 1, kanssa korrelatioker-toimet  $r_1$



Sirontakuvaaja 2, kanssa korrelatioker-toimet  $r_2$



Sirontakuvaaja 3, kanssa korrelatioker-toimet  $r_3$



Sirontakuvaaja 4, kanssa korrelatioker-toimet  $r_4$

