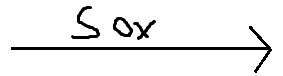
Temat: Przekształcenia wykresu funkcji - podsumowanie

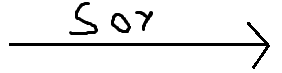
y=f(x)  y=f(x)+a

y=f(x)  y=f(x)-a

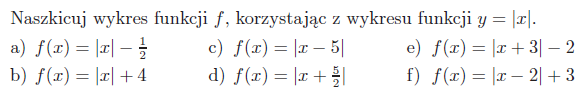
y=f(x) y=f(x-a)

y=f(x) y=f(x+a)

y=f(x) y=-f(x)

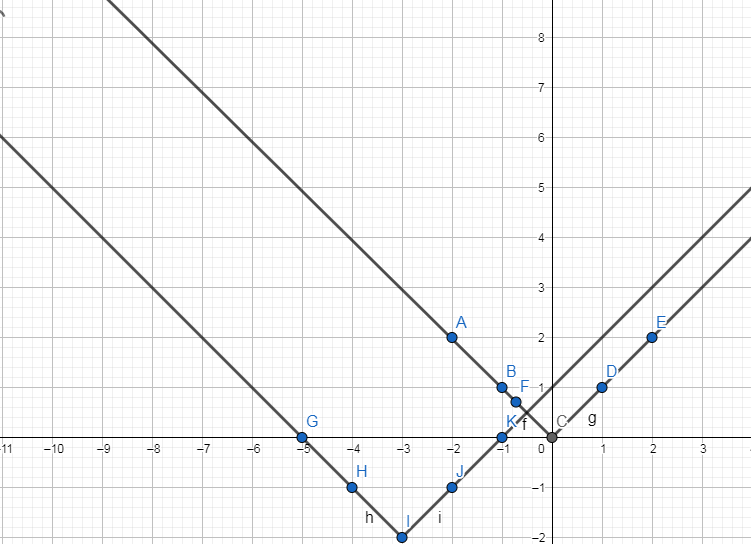
y=f(x) y=f(-x)

Zad. 4 str. 179



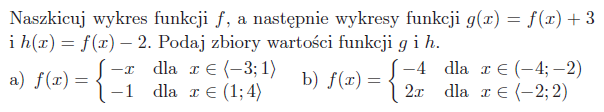
Przykład e)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| x | -2 | -1 | 0 | 1 | 2 |
| y | 2 | 1 | 0 | 1 | 2 |

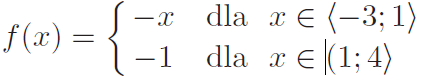


**Przykład b, c, f do zrobienia**

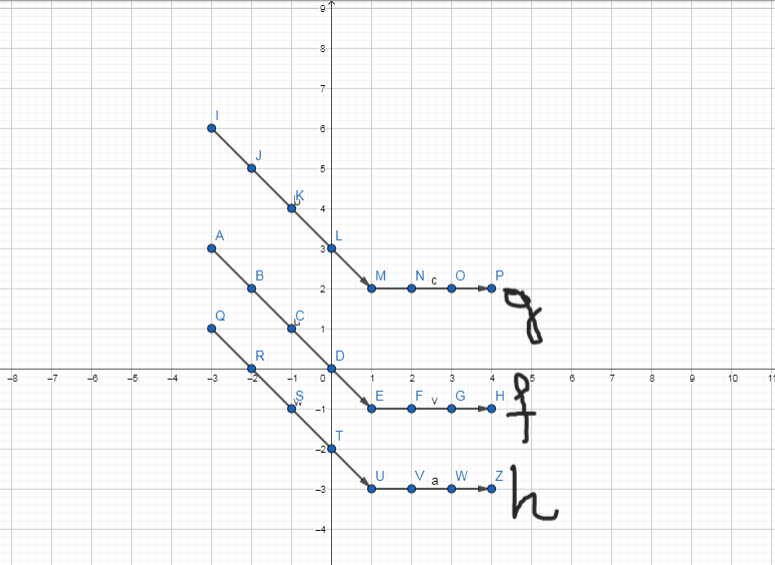
Zad. 5 str.179



a)



|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| x | -3 | -2 | -1 | 0 | 1 | 2 | 3 | 4 |
| y | 3 | 2 | 1 | 0 | -1 | -1 | -1 | -1 |

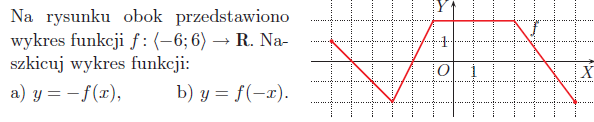


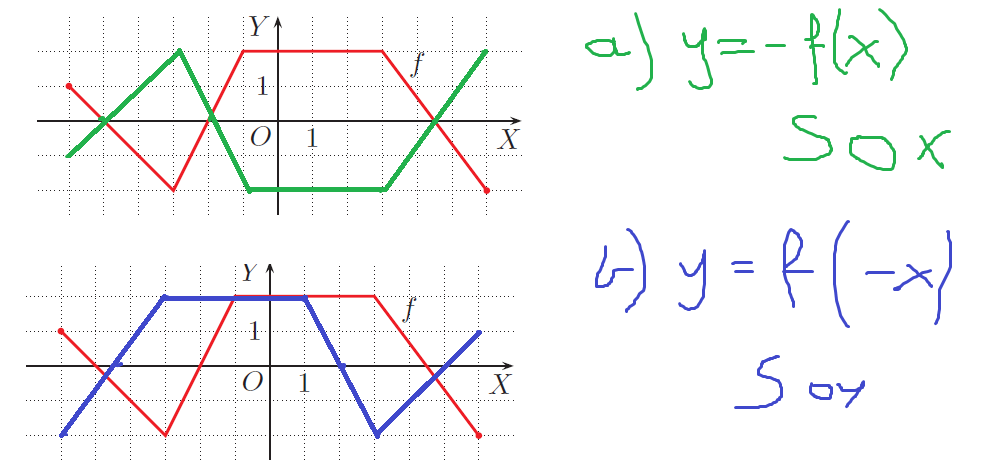
Zwg=<-1,3>

Zwh=<-3,1>

**b) do zrobienia**

Zad. 6 str.181





**Zadanie do zrobienia:**

