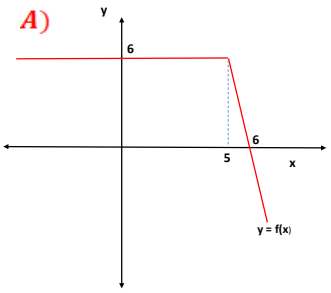
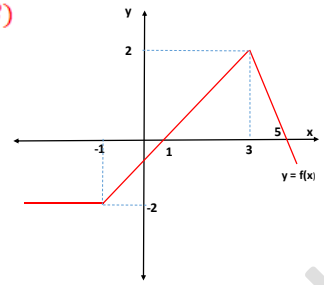
1. Gerçel sayılar kümesinde tanımlı f(x) parçalı fonksiyonu aşağıda veriliyor. **Buna göre f fonksiyonun grafiği aşağıdakilerden hangisidir?**

$$f(x) = \begin{cases} x + 1 \,, & x \leq 5 \\ 6 \,, & x > 5 \end{cases}$$

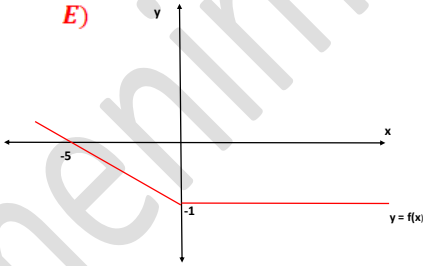
A)



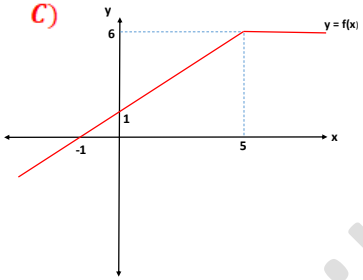
B)



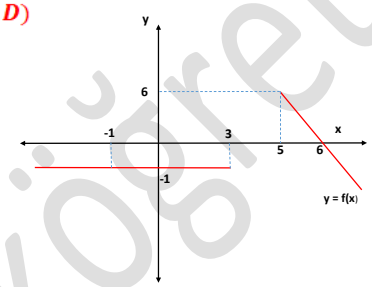
E)



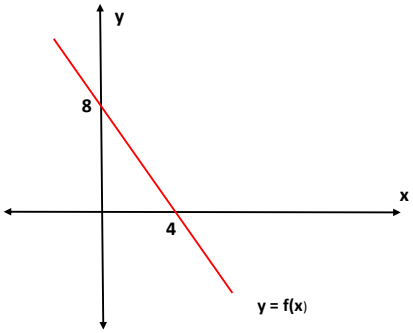
C)

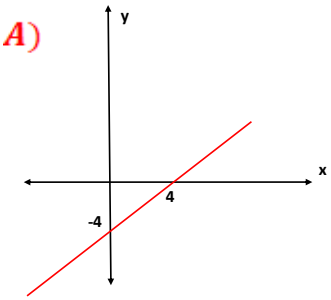


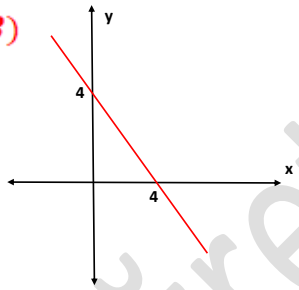
D)

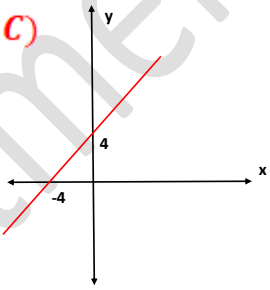


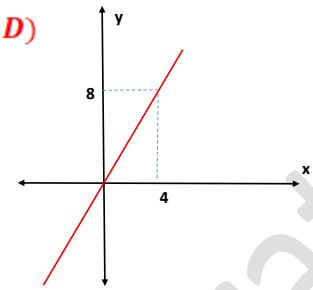
2. Aşağıda f doğrusal fonksiyonunu grafiği verilmiştir. Buna göre **f($-\frac{x}{2}+2$) fonksiyonunun grafiği aşağıdakilerden hangisidir?**

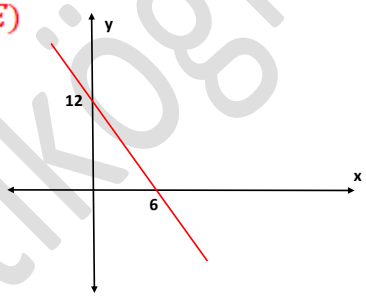


A)


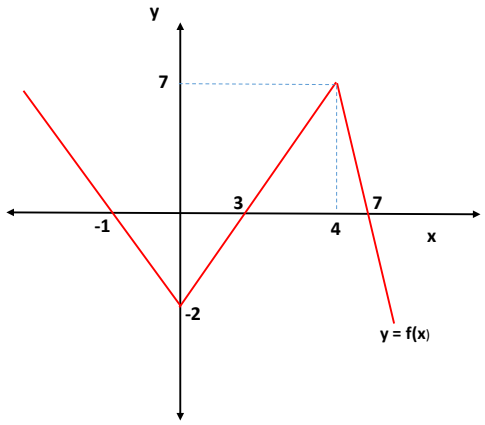
B)


C)


D)


E)


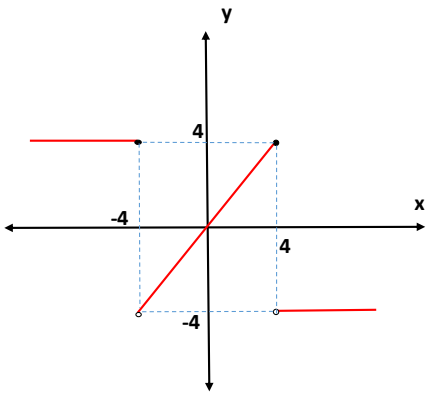
3.



Yukarıda f fonksiyonun grafiği verilmiştir. **Buna göre f(x-2)= 0 denklemini sağlayan x gerçek sayılarının toplamı kaçtır?**

***A*) 15** ***B*) 12** ***C*) −8** ***D*) −9**

4.



Yukarıda grafiği verilen fonksiyon, **aşağıdakilerden hangisidir?**

A)

$$f(x) = \begin{cases} x-1 & , x \le -4 \\ x & , -4 < x \le 4 \\ 4-x & , 4 < x \end{cases}$$

B)

$$f(x) = \begin{cases} x+1 & , x \le -4 \\ x-1 & , -4 < x \le 4 \\ 4 & , 4 < x \end{cases}$$

C)

$$f(x) = \begin{cases} -4 & , x \le -4 \\ -x & , -4 < x \le 4 \\ 4 & , 4 < x \end{cases}$$

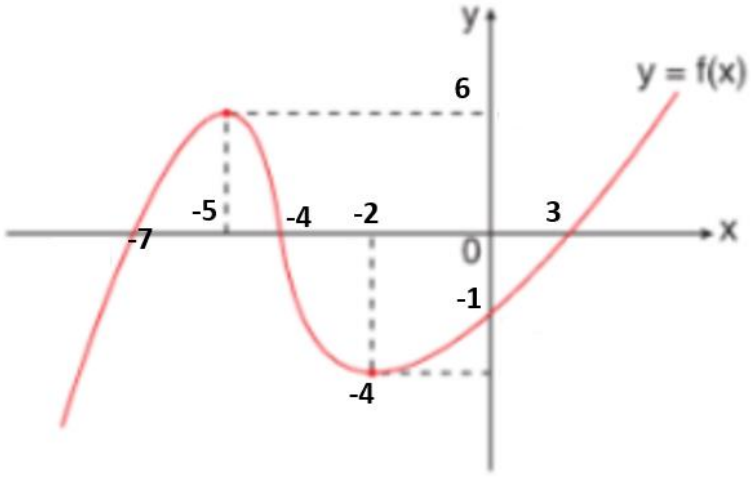
D)

$$f(x) = \begin{cases} x & , x \le -4 \\ 4 & , -4 < x \le 4 \\ -4 & , 4 < x \end{cases}$$

E)

$$f(x) = \begin{cases} 4 & , x \le -4 \\ x & , -4 < x \le 4 \\ -4 & , 4 < x \end{cases}$$

5. y= f(x) fonksiyonu aşağıda verilmiştir.



I. f(m) = 2 ise , m'nin alabileceği 3 farklı değer vardır.
II. f fonksiyonun tanım ve görüntü kümesi IR 'dir.
III. $-7 < x < 3$ için ; $-4 \leq f(x) \leq 6$' dır.

İfadelerinden hangileri doğrudur?

A) Yalnız I B) I ve II C) II ve III D) I ve III E) I, II ve III