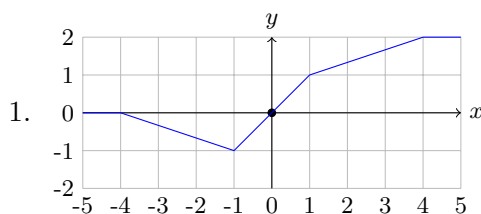


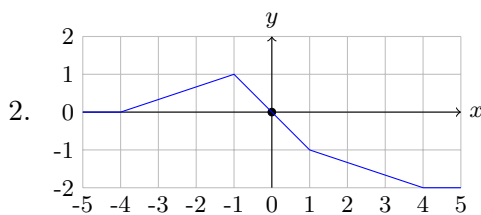
## Graphes de fonctions

**Questions :** Ecrire une alternative multiple qui permette de déterminer  $y = f(x)$  pour une fonction  $f$  définie par son graphe sur  $[-5; 5]$  et  $\forall x < -5, f(x) = f(-5)$  et  $\forall x > 5, f(x) = f(5)$ .

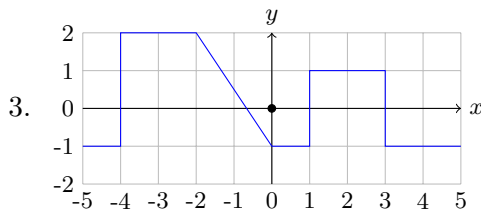
**Réponses :**



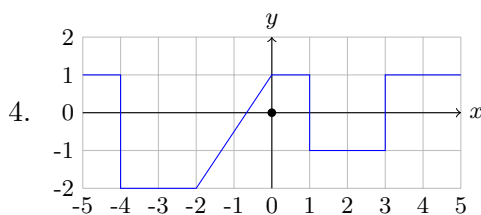
```
if x < -4 : y = 0
elif x < -1 : y = -x/3 - 4/3
elif x < 1 : y = x
elif x < 4 : y = x/3 + 2/3
else : y = 2
```



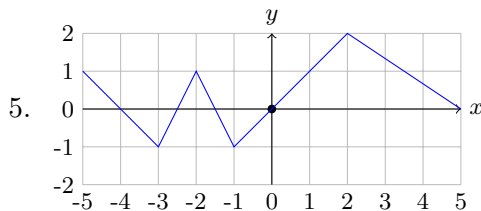
```
if x < -4 : y = 0
elif x < -1 : y = x/3 + 4/3
elif x < 1 : y = -x
elif x < 4 : y = -x/3 - 2/3
else : y = -2
```



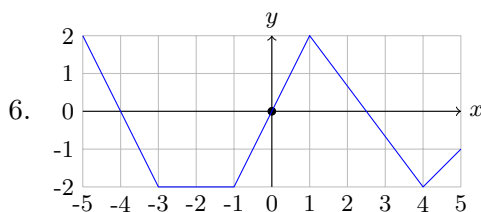
```
if x < -4 : y = -1
elif x < -2 : y = 2
elif x < 0 : y = -3*x/2 - 1
elif x < 1 : y = -1
elif x < 3 : y = 1
else : y = -1
```



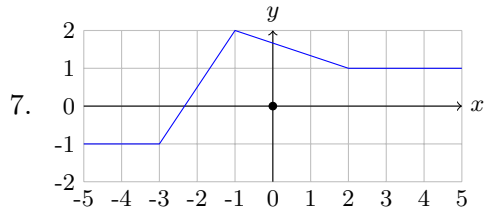
```
if x < -4 : y = 1
elif x < -2 : y = -2
elif x < 0 : y = 3*x/2 + 1
elif x < 1 : y = 1
elif x < 3 : y = -1
else : y = 1
```



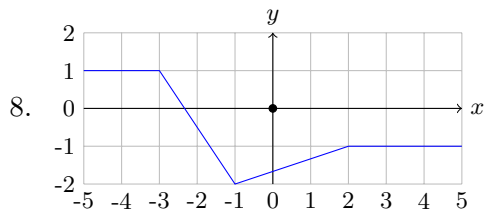
```
if x < -5 : y = 1
elif x < -3 : y = -x - 4
elif x < -2 : y = 2*x + 5
elif x < -1 : y = -2*x - 3
elif x < 2 : y = x
elif x < 5 : y = -2*x/3 + 10/3
else : y = 0
```



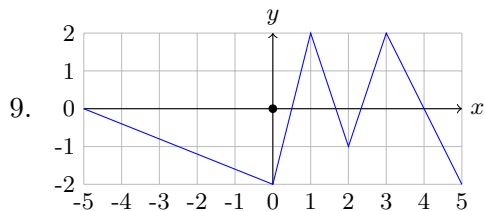
```
if x < -5 : y = 2
elif x < -3 : y = -2*x - 8
elif x < -1 : y = -2
elif x < 1 : y = 2*x
elif x < 4 : y = -4*x/3 + 10/3
elif x < 5 : y = x - 6
else : y = -1
```



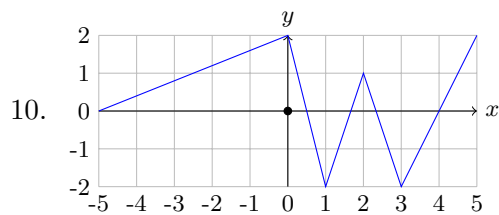
```
if x < -3 : y = -1
elif x < -1 : y = 3*x/2 + 7/2
elif x < 2 : y = -x/3 + 5/3
else : y = 1
```



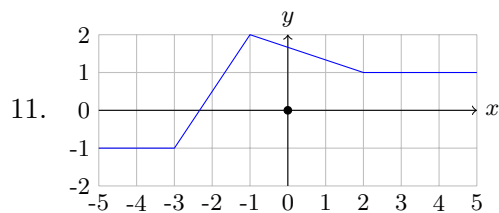
```
if x < -3 : y = 1
elif x < -1 : y = -3*x/2 - 7/2
elif x < 2 : y = x/3 - 5/3
else : y = -1
```



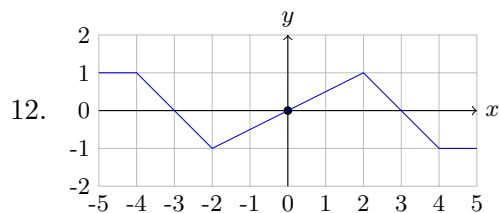
```
if x < -5 : y = 0
elif x < 0 : y = -2*x/5 - 2
elif x < 1 : y = 4*x - 2
elif x < 2 : y = -3*x + 5
elif x < 3 : y = 3*x - 7
elif x < 5 : y = -2*x + 8
else : y = -2
```



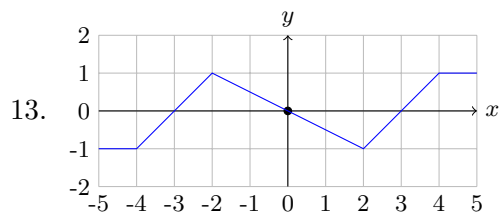
```
if x < -5 : y = 0
elif x < 0 : y = 2*x/5 + 2
elif x < 1 : y = -4*x + 2
elif x < 2 : y = 3*x - 5
elif x < 3 : y = -3*x + 7
elif x < 5 : y = 2*x - 8
else : y = 2
```



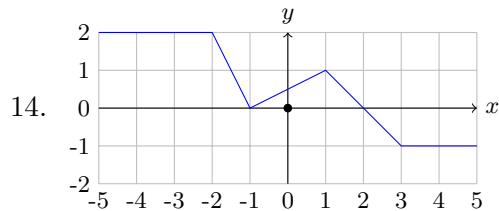
```
if x < -3 : y = -1
elif x < -1 : y = 3*x/2 + 7/2
elif x < 2 : y = -x/3 + 5/3
else : y = 1
```



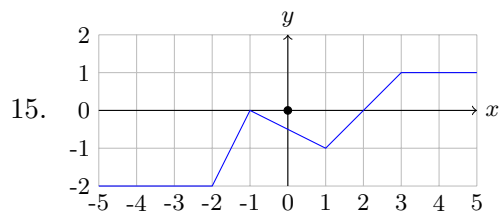
```
if x < -4 : y = 1
elif x < -2 : y = -x - 3
elif x < 2 : y = x/2
elif x < 4 : y = -x + 3
else : y = -1
```



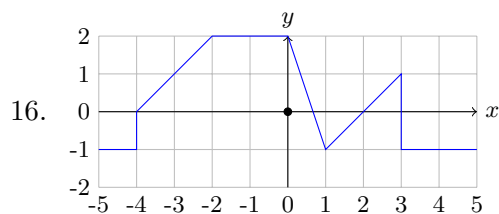
```
if x < -4 : y = -1
elif x < -2 : y = x + 3
elif x < 2 : y = -x/2
elif x < 4 : y = x - 3
else : y = 1
```



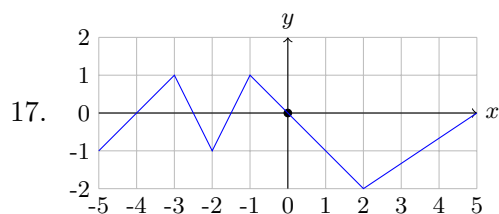
```
if x < -2 : y = 2
elif x < -1 : y = -2*x - 2
elif x < 1 : y = x/2 + 1/2
elif x < 3 : y = -x + 2
else : y = -1
```



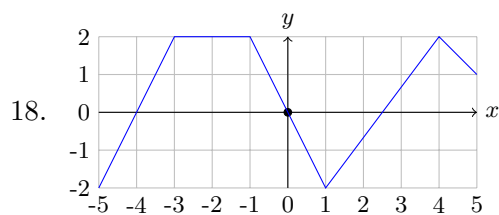
```
if x < -2 : y = -2
elif x < -1 : y = 2*x + 2
elif x < 1 : y = -x/2 - 1/2
elif x < 3 : y = x - 2
else : y = 1
```



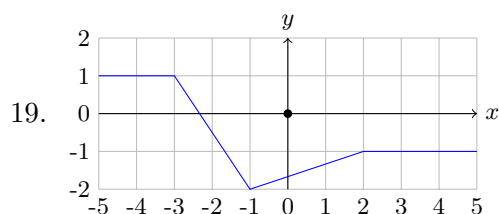
```
if x < -4 : y = -1
elif x < -2 : y = x + 4
elif x < 0 : y = 2
elif x < 1 : y = -3*x + 2
elif x < 3 : y = x - 2
else : y = -1
```



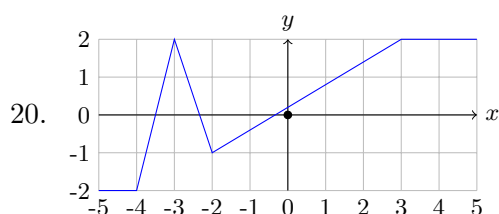
```
if x < -5 : y = -1
elif x < -3 : y = x + 4
elif x < -2 : y = -2*x - 5
elif x < -1 : y = 2*x + 3
elif x < 2 : y = -x
elif x < 5 : y = 2*x/3 - 10/3
else : y = 0
```



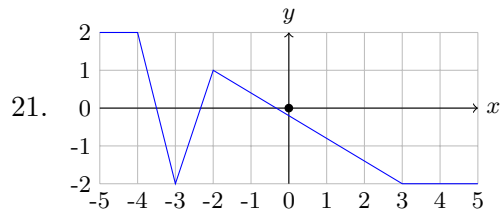
```
if x < -5 : y = -2
elif x < -3 : y = 2*x + 8
elif x < -1 : y = 2
elif x < 1 : y = -2*x
elif x < 4 : y = 4*x/3 - 10/3
elif x < 5 : y = -x + 6
else : y = 1
```



```
if x < -3 : y = 1
elif x < -1 : y = -3*x/2 - 7/2
elif x < 2 : y = x/3 - 5/3
else : y = -1
```



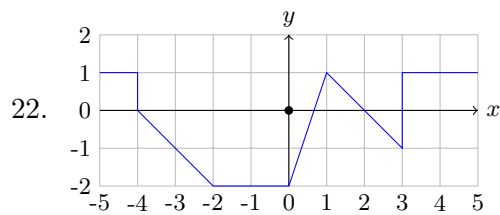
```
if x < -4 : y = -2
elif x < -3 : y = 4*x + 14
elif x < -2 : y = -3*x - 7
elif x < 3 : y = 3*x/5 + 1/5
else : y = 2
```



```

if x < -4 : y = 2
elif x < -3 : y = -4*x - 14
elif x < -2 : y = 3*x + 7
elif x < 3 : y = -3*x/5 - 1/5
else      : y = -2

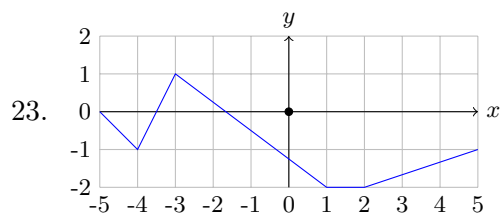
```



```

if x < -4 : y = 1
elif x < -2 : y = -x - 4
elif x < 0 : y = -2
elif x < 1 : y = 3*x - 2
elif x < 3 : y = -x + 2
else      : y = 1

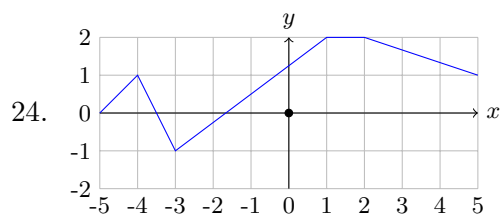
```



```

if x < -5 : y = 0
elif x < -4 : y = x + 5
elif x < -3 : y = -2*x - 7
elif x < 1 : y = -3*x/4 - 5/4
elif x < 2 : y = -2
elif x < 5 : y = x/3 - 8/3
else      : y = -1

```



```

if x < -5 : y = 0
elif x < -4 : y = -x - 5
elif x < -3 : y = 2*x + 7
elif x < 1 : y = 3*x/4 + 5/4
elif x < 2 : y = 2
elif x < 5 : y = -x/3 + 8/3
else      : y = 1

```