Lycée La Fayette
Champagne-sur-Seine • Fontaineroux

Responsable pédagogique	AF	AM	PB	PM
Période	Sem1	Sem2	Sem3	Sem4
Volume horaire	Cours/TD		TP	
	1			

STRUF
opérateurs

Indicateur temporel (hors rédaction du compte-rendu) :

questions	1h	2h	3h	4h	5h	6h
1 - 2						

Documents à rendre : Sujet du TD

Exercice 1 :

Donner les résultats des lignes de code ci-dessous :

```
int x,y,z;                    résultats
x=-3 +  4 * 5 - 6;            x =
printf("1:x=%d\n",x);

x= -3 * 4 % -6 / 5;           x =
printf("2:x=%d\n",x);
x = 2;
x *= 3 + 2;                   x =
printf("3:x=%d\n",x);

x *= y =z =4;                 x =
printf("4:x=%d\n",x);

x = y == z;                   x =
printf("5:x=%d\n",x);


x = 2; y = 1 ; z = 0;
x = x && y ||z;               x =
printf("6:x=%d\n",x);
x += x || !y &&z;             x =
printf("7:x=%d\n",x);
y = z = 1;


    x = ++y -1;               x =
printf("8:x=%d\n",x);
x += -y++  +  ++z  + 4;       x =
printf("9:x=%d\n",x);
x= ((y * 2) == (((z=3)+7) != 12));
printf("10:x=%d\n",x);        x =
```

Lycée La Fayette

Lycée des métiers de l'ingénierie des systèmes de production industrielle

Exercice 2 :

```c
int r,x,y,z;                                          résultats

                                                      r    x    y    z
    x=3; y= 2; z=1;
    r = x | y & z;
    printf("1 r=%d \t x=%d \t y=%d \t z=%d\n",r,x,y,z);
    r=x^y & ~z;
    printf("2 r=%d \t x=%d \t y=%d \t z=%d\n",r,x,y,z);
    r=x&y&&z;
    printf("3 r=%d \t x=%d \t y=%d \t z=%d\n",r,x,y,z);
    r<<=3;
    printf("4 r=%d \t x=%d \t y=%d \t z=%d\n",r,x,y,z);
    r=z-2<<3;
    printf("5 r=%d \t x=%d \t y=%d \t z=%d\n",r,x,y,z);
    x=1;y=1;z=1;
    x += y += z;
    r= (x < y ? y : x);
    printf("6 r=%d \t x=%d \t y=%d \t z=%d\n",r,x,y,z);
    r=(z += x < y ? ++x : ++y);
    printf("7 r=%d \t x=%d \t y=%d \t z=%d\n",r,x,y,z);
    x = 3; y = z =4;
    r = ((z>=y >=x) ? 1 : 0);
    printf("8 r=%d \t x=%d \t y=%d \t z=%d\n",r,x,y,z);
    r= (++x || ++y && ++z);
    printf("9 r=%d \t x=%d \t y=%d \t z=%d\n",r,x,y,z);
    r= (x | ++y || (--z) -1);
    printf("10 r=%d \t x=%d \t y=%d \t z=%d\n",r,x,y,z);
```