Feuille d'exercices: Langage C

Exercice 1:

Exercice 2:

Exercice 3:

Exercice 4:

```
Soient les déclarations suivantes:
int n = 5, p = 9;
int q;
float x ;
Quelle est la valeur affectée aux différentes variables concernées par chacune des instructions :
                            /* 1 */
q = n < p;
                             /* 2 */
q = n == p ;
q = p % n + p > n ;
                            /* 3 */
                             /* 4 */
x = p / n ;
x = (float) p / n;
                             /* 5 */
                             /* 6 */
x = (p + 0.5) / n;
                             /* 7 */
x = (int) (p + 0.5) / n;
                             /* 8 */
q = n * (p > n ? n : p) ;
                             /* 9 */
q = n * (p < n ? n : p) ;
```

Exercice 5:

```
Quels résultats fournit le programme suivant :

#include <stdio.h>
main ()
{
```

Feuille d'exercices:

Langage C

```
int i, j, n;
i = 0; n = i++;
printf ("A : i = %d n = %d \n", i, n);
i = 10; n = ++i;
printf ("B : i = %d n = %d \n", i, n);
i = 20; j = 5; n = i++ * ++j;
printf ("C : i = %d j = %d n = %d \n", i, j, n);
i = 15; n = i += 3;
printf ("D : i = %d n = %d \n", i, n);
i = 3; j = 5; n = i *= --j;
printf ("E : i = %d j = %d n = %d \n", i, j, n);
```

Exercice 6:

```
Quels résultats fournit le programme suivant :
#include <stdio.h>
main()
{
    int n=10, p=5, q=10, r;
    r = n == (p = q);
    printf ("A : n = %d p = %d q = %d r = %d\n", n, p, q, r);
    n = p = q = 5;
    n += p += q;
    printf ("B : n = %d p = %d q = %d\n", n, p, q);
    q = n  p ? n++ : p++;
    printf ("D : n = %d p = %d q = %d\n", n, p, q);
}
```

Exercice 7:

```
Quels résultats fournira ce programme :
#include <stdio.h>
main()
  int n, p, q;
                                                         /* cas 1 */
  n = 5; p = 2;
  q = n++ > p \mid \mid p++ != 3;
  printf ("A : n = d p = d q = d n", n, p, q);
  n = 5; p = 2;
                                                         /* cas 2 */
  q = n++ ;
  printf ("B : n = %d p = %d q = %d n", n, p, q);
                                                         /* cas 3 */
  n = 5; p = 2;
  q = ++n == 3 && ++p == 3;
  printf ("C : n = %d p = %d q = %d\n", n, p, q);
                                                         /* cas 4 */
  n = 5 ; p = 2 ;
  q = ++n == 6 \&\& ++p == 3;
  printf ("D : n = %d p = %d q = %d\n", n, p, q);
```