*Niveau : seconde professionnelle.*

*Module : fonctions de référence.*

Représenter graphiquement les fonctions suivantes :

*f (x) = 1; g(x) = x ; h(x)= x2*

Tableau de valeurs :

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *x* | *-5* | *-4* | *-3* | *-2* | *-1* | *0* | *1* | *2* | *3* | *4* | *5* |
| *y = f(x)* |  |  |  |  |  |  |  |  |  |  |  |
| *y = g(x)* |  |  |  |  |  |  |  |  |  |  |  |
| *y = h(x)* |  |  |  |  |  |  |  |  |  |  |  |

****

Tableaux de variation des fonctions :

|  |  |
| --- | --- |
| *x* |  |
| *f(x)* |  |

|  |  |
| --- | --- |
| *x* |  |
| *g(x)* |  |

|  |  |
| --- | --- |
| *x* |  |
| *h(x)* |  |

Représenter graphiquement les fonctions suivantes :

*f (x) = 2; g(x) = x+2 ; h(x)= x2+2*

Tableau de valeurs :

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *x* | *-5* | *-4* | *-3* | *-2* | *-1* | *0* | *1* | *2* | *3* | *4* | *5* |
| *y = f(x)* |  |  |  |  |  |  |  |  |  |  |  |
| *y = g(x)* |  |  |  |  |  |  |  |  |  |  |  |
| *y = h(x)* |  |  |  |  |  |  |  |  |  |  |  |

****

Tableaux de variation des fonctions :

|  |  |
| --- | --- |
| *x* |  |
| *f(x)* |  |

|  |  |
| --- | --- |
| *x* |  |
| *g(x)* |  |

|  |  |
| --- | --- |
| *x* |  |
| *h(x)* |  |

Représenter graphiquement les fonctions suivantes :

*f (x) = 0,5x ; g(x) = 0,5x2*

Tableau de valeurs :

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *x* | *-5* | *-4* | *-3* | *-2* | *-1* | *0* | *1* | *2* | *3* | *4* | *5* |
| *y = f(x)* |  |  |  |  |  |  |  |  |  |  |  |
| *y = g(x)* |  |  |  |  |  |  |  |  |  |  |  |

****

Tableaux de variation des fonctions :

|  |  |
| --- | --- |
| *x* |  |
| *f(x)* |  |

|  |  |
| --- | --- |
| *x* |  |
| *g(x)* |  |