|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | اذا كانت *f* = {(2, 5), (6, 10)},*g* = { (10, 13), (5, 8)} فإن***g*** °***f =*** | | | | | | | |
| **أ** | {(5, 8), (10, 13) } | **ب** | {(2, 8), (10, 13) } | **جـ** | {(5, 8), (6, 13) } | **د** | {(5, 8), (6, 10) } |
| 2 | اذا كانت ***f*(*x*) = 2*x* - 5, *g*(*x*) = 4*x*** *فإن* [ *g* °*f* ](*2*) = | | | | | | | |
| **أ** | 4 | **ب** | 14 | **جـ** | -4 | **د** | 1 |
| 3 | اذا كانت *f*(*x*) = 2*x* + 4,*g*(*x*) = *x*2+5 فإن قيمة ( *f* °*g* )(2) | | | | | | | |
| **أ** | 9 | **ب** | 22 | **جـ** | 12 | **د** | 44 |
| 4 | اذا كانت ***f*(*x*) = 2*x* –5 فإن** *f* -1(*x*) تساوي | | | | | | | |
| **أ** | **-2*x* – 5** | **ب** | **2*x* +5** | **جـ** |  | **د** |  |
| 5 | مجال الدالة =*f*(*x*) | | | | | | | |
| **أ** |  | **ب** |  | **جـ** |  | **د** |  |
| 6 | مدى الدالة =*f*(*x*) | | | | | | | |
| **أ** |  | **ب** |  | **جـ** |  | **د** |  |
| 7 | مجال الدالة***y = + 4*** | | | | | | | |
| **أ** |  | **ب** |  | **جـ** |  | **د** |  |
| 8 | مدى الدالة 4 + ***y* =** | | | | | | | |
| **أ** |  | **ب** |  | **جـ** |  | **د** |  |
| 9 | يساوي | | | | | | | |
| **أ** |  | **ب** |  | **جـ** |  | **د** |  |
| 10 | تساوي | | | | | | | |
| **أ** | 4 | **ب** | 4 | **جـ** | 2 | **د** | 16 |
| 11 |  | | | | | | | |
| **أ** |  | **ب** |  | **جـ** |  | **د** |  |
| 12 | تبسيط | | | | | | | |
| **أ** | 3 | **ب** | 3 | **جـ** | 3 | **د** | 3 |
| 13 | العدد يكافيء | | | | | | | |
| **أ** |  | **ب** |  | **جـ** |  | **د** |  |
| 15 | العدد صورته الاسية | | | | | | | |
| **أ** |  | **ب** |  | **جـ** |  | **د** |  |
| 16 |  | | | | | | | |
| **أ** | 6 | **ب** |  | **جـ** |  | **د** |  |
| 17 |  | | | | | | | |
| **أ** |  | **ب** |  | **جـ** |  | **د** |  |
| 18 | = | | | | | | | |
| **أ** |  | **ب** |  | **جـ** |  | **د** | 3 |
| 19 | = | | | | | | | |
| **أ** | 15 | **ب** | 4 | **جـ** | 2 | **د** | 3 |
| 20 | تكون العبارة مساوية لعدد صحيح موجب عندما c = | | | | | | | |
| **أ** | 8 | **ب** | -8 | **جـ** | 56 | **د** | 36 |
| 21 | قيمة p التي تحقق المعادلة | | | | | | | |
| **أ** |  | **ب** |  | **جـ** |  | **د** |  |
| 22 | ما هو حل المعادلة 10= | | | | | | | |
| **أ** | 2 | **ب** | 200 | **جـ** | 20 | **د** | 1000 |

ضع علامة صح أمام العبارة الصحيحة وعلامة خطأ أمام العبارة الخاطئة

|  |  |
| --- | --- |
| 1 ) = | ( ) |
| 2 ) = + | ( ) |
| 3 ) = | ( ) |
| 4 ) = | ( ) |
| 5 ) 9 = | ( ) |
| 6 ) = | ( ) |

7) 4 = ( + ) ( - ) ) )

|  |  |
| --- | --- |
|  | حل المعادلة 4 = 7 + |

حل المتباينة 3

حل المتباينة 4 7 +

حل المتباينة 5

\*إذا كان f(x) = x2– 4 ,g(x)= 2x + 7

أوجد

(1)(f + g) (x )

(2) (f – g )(x)

(3) f . g ) (x) )

(4) (x )

مثل بيانيا الدالة وحدد المجال والمدى

5 + y =