***Solución:***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **N** | **y/x (º)** | **Fx** | **Fy** |
|  | **55** | **8** | 48,5294  | 25,8824  |
| 28,07 | 17 | **15** |  |   |
|  | **62** |  | -24,2975  | 57,0406  |
|  |   | **66,928** | 0,392 | 0,920 |
|  | **90** |  | -15,6283  | -88,6327  |
|  |   | **80** | 0,174 | 0,985 |
|  | **0** | **3** | 0,0000  | 0,0000  |
|  | 3,162 | **1** |  |   |
|  | 4o cuadrante | **8,60**  | **-5,71**  |
|   | **-33,57** | grados | **10,3258**  | Lb |

***Respuesta.***

***Solución:***

|  |  |  |  |
| --- | --- | --- | --- |
|  | **800** | lb |  |
| **5** | **4** | **13** | **5** |
|   | **3** |   | **12** |
|  | T = | 400 | lb |
| Fx |  |  |  |
| RBC = T\*(3/5)\*(13/12) |  |
|  | RBC = | 260,0000 | lb ( C ) |
| Fy |  |  |  |
| RBC=Ty +w +RBCy |  |
|  | **RBC =** | **1220,0000** | **lb (T)** |

***Respuesta.***

***Solución:***

|  |  |  |  |
| --- | --- | --- | --- |
| **1** | m |   | **1,5** |
| **3** | kN | **3,354101966** | **3** |
|  | CDx=(3/1,5)\*1m |  |
|  | **CDx** | **2,0000** | **m** |
|  |  |   | **1** |
| **1,5** | m | **3,16227766** | **3** |
|  |  |  |  |
|  | **R\_BC** | **6,3246** | **kN (T)** |
|  | **R\_Ex** | **6,0000** | **kN** |
|  | **R\_Ey** | **1,0000** | **kN** |

***Respuestas.***

***Solución:***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| m1 | **1500** | kg |  |  |
| m2 | **250** | kg |  |  |
| ** | **0,5** |  |  |  |
| ** | **0,6** |  |  |  |
| ** | **0,7** |  |  |  |
|  | P = m1 .2 + (m1 + m2 ) .3  |  |
|  |  | **P** | **2125,0000** | **kgf** |

***Respuesta.***