**Lab W1D4**

**Question 1**

1. True or False

**Question 2**

1. One Solution

**Question 3**

**A screenshot of a math problem

Description automatically generated**

**WMax = 20**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** | **20** |
| a | 0 | 0 | 0 | 0 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| b | 0 | 0 | 0 | 0 | 25 | 25 | 25 | 28 | 28 | 28 | 37 | 37 | 53 | 53 | 56 | 56 | 56 | 65 | 65 | 81 |
| c | 0 | 0 | 0 | 0 | 25 | 25 | 25 | 25 | 25 | 40 | 40 | 40 | 49 | 49 | 65 | 65 | 68 | 68 | 68 | 77 |
| d | 0 | 16 | 16 | 16 | 16 | 16 | 41 | 41 | 44 | 44 | 44 | 44 | 53 | 69 | 69 | 69 | 69 | 69 | 69 | 81 |
| e | 0 | 16 | 16 | 16 | 16 | 16 | 28 | 28 | 44 | 44 | 44 | 53 | 53 | 69 | 69 | 69 | 69 | 69 | 69 | 81 |

**Question 4**

A screenshot of a math problem

Description automatically generated

**Value per Weight**

a 5

b 2

c 3

d 8

e 4

Select : d, a,e,0.75c 16 + 25 + 28 + 18 = 87