**Statistics Calculator Sheet**

1) To calculate mean( or ) and standard deviations ():

a) Given raw data in a table

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Player** |  |  |  |  |  |  |  |  |  |  | **Mean** | **Standard Deviation** |
| Anna | 36 | 41 | 43 | 39 | 45 | 27 | 40 | 37 | 31 | 28 |  |  |

StatEditput data into L1StatCalc1 Var Statsenterenter

b) Given a frequency table you need the midpoint

|  |  |  |  |
| --- | --- | --- | --- |
| **Gaming Hours/Week for gr. 11 Females** | |  |  |
| Hours | Frequency | | Midpoint of Interval |
| 3-5 | 7 | |  |
| 5-7 | 11 | |  |
| 7-9 | 16 | |  |
| 9-11 | 19 | |  |
| 11-13 | 12 | |  |
| 13-15 | 5 | |  |

StatEditmidpoint into L1 & frequency into L2StatCalc1 Var Statsenter L1, L2enter

c) Z-scores

**Looking for the percent (**% by 100 to get the z-score)

**Calculator:** 2nd  Catalog normCdf. ENTER(lower bound, upper bound, mean, standard deviation)

**Given the percent and are determining the x value**

**Calculator:** 2nd  Catalog invNorm ENTER (decimal value of percent, mean, standard deviation)