# Exercise 4.1

Neighboring Radius = 3; Exponent

**P7:**

With a radius of 3 the following points are considered as neighbors to P7 for the Shepard Interpolation. The List below also includes the distance of each in regards to P7.

* P1
* P2
* P3
* P4

With this we can interpolate the Value at P7 as follows

**P8:**

* P3
* P4
* P5
* P6