

Table for n=2

| i | Weights | Roots |
|---|---------|----------|
| 1 | 1 | -0.57735 |
| 2 | 1 | 0.57735 |

Table for n=3

| i | Weights | Roots |
|---|----------|-----------|
| 1 | 0.555556 | -0.774597 |
| 2 | 0.888889 | 0 |
| 3 | 0.555556 | 0.774597 |

Table for n=4

| i | Weights | Roots |
|---|----------|-----------|
| 1 | 0.347855 | -0.861136 |
| 2 | 0.652145 | -0.339981 |
| 3 | 0.652145 | 0.339981 |
| 4 | 0.347855 | 0.861136 |

Table for n=5

| i | Weights | Roots |
|---|----------|-----------|
| 1 | 0.236927 | -0.90618 |
| 2 | 0.478629 | -0.538469 |
| 3 | 0.568889 | 0 |
| 4 | 0.478629 | 0.538469 |
| 5 | 0.236927 | 0.90618 |

Table for n=6

| i | Weights | Roots |
|---|----------|-----------|
| 1 | 0.171324 | -0.93247 |
| 2 | 0.360762 | -0.661209 |
| 3 | 0.467914 | -0.238619 |
| 4 | 0.467914 | 0.238619 |
| 5 | 0.360762 | 0.661209 |
| 6 | 0.171324 | 0.93247 |