**newton-rapson simple**

**newton - rapson modificado**

| i | Xi | f(Xi) | f'(Xi) | Xi+1 | E |
|---|---|---|---|---|---|
| 0 | 0.0 | -3.0 | 1.0 | 3.0 | 1.0 |
| 1 | 3.0 | 81.0 | 109.0 | 2.2568807339449544 | 0.3292682926829267 |
| 2 | 2.2568807339449544 | 25.200731447613585 | 46.98178419170537 | 1.7204870681619768 | 0.3117684960898981 |
| 3 | 1.7204870681619768 | 7.482535524038859 | 21.371088206405446 | 1.370362851193177 | 0.2554974521266001 |
| 4 | 1.370362851193177 | 1.8968500181585632 | 11.293586589551428 | 1.2024046916556668 | 0.139685216638603887 |
| 5 | 1.2024046916556668 | 0.29267594832070376 | 7.9536363960350505 | 1.1656069385591579 | 0.03156960711129236 |
| 6 | 1.1656069385591579 | 0.011508325214509618 | 7.334558677000075 | 1.1640378836614722 | 0.0013479414370520418 |
| 7 | 1.1640378836614722 | 2.0051274787213913e-05 | 7.309011737103426 | 1.164035140298141 | 2.3567702006552405e-06 |

| i | Xi | f(Xi) | f'(Xi) | f''(Xi) | Xi+1 | E |
|---|---|---|---|---|---|---|
| 0 | 0.0 | 2.5 | 1.7 | -1.8 | -0.5751014884979703 | 1.0 |
| 1 | -0.5751014884979703 | 1.2246599196881276 | 2.7351826792963463 | -1.8 | -0.9209411267535983 | 0.3755284981948242 |
| 2 | -0.9209411267535983 | 0.1710807814673143 | 3.3576940281564767 | -1.8 | -0.9705382784191178 | 0.05110272594946679 |
| 3 | -0.9705382784191178 | 0.0023348317984295264 | 3.446968901154412 | -1.8 | -0.9712153968650753 | 0.0006971866880850046 |
| 4 | -0.9712153968650753 | 4.129323647461547e-07 | 3.4481877143571356 | -1.8 | -0.9712155166185148 | 1.2330264235795043e-07 |