6.

To find the period:

|  |  |
| --- | --- |
|  |  |
|  |  |

To find r0:

Using eqn. 2,

|  |  |
| --- | --- |
|  |  |

For N0 = 3:12, using Excel:

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **N0** | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| **r0** | 0.67 | 0.50 | 0.40 | 0.33 | 0.29 | 0.25 | 0.22 | 0.20 | 0.18 | 0.17 |