Default demo data
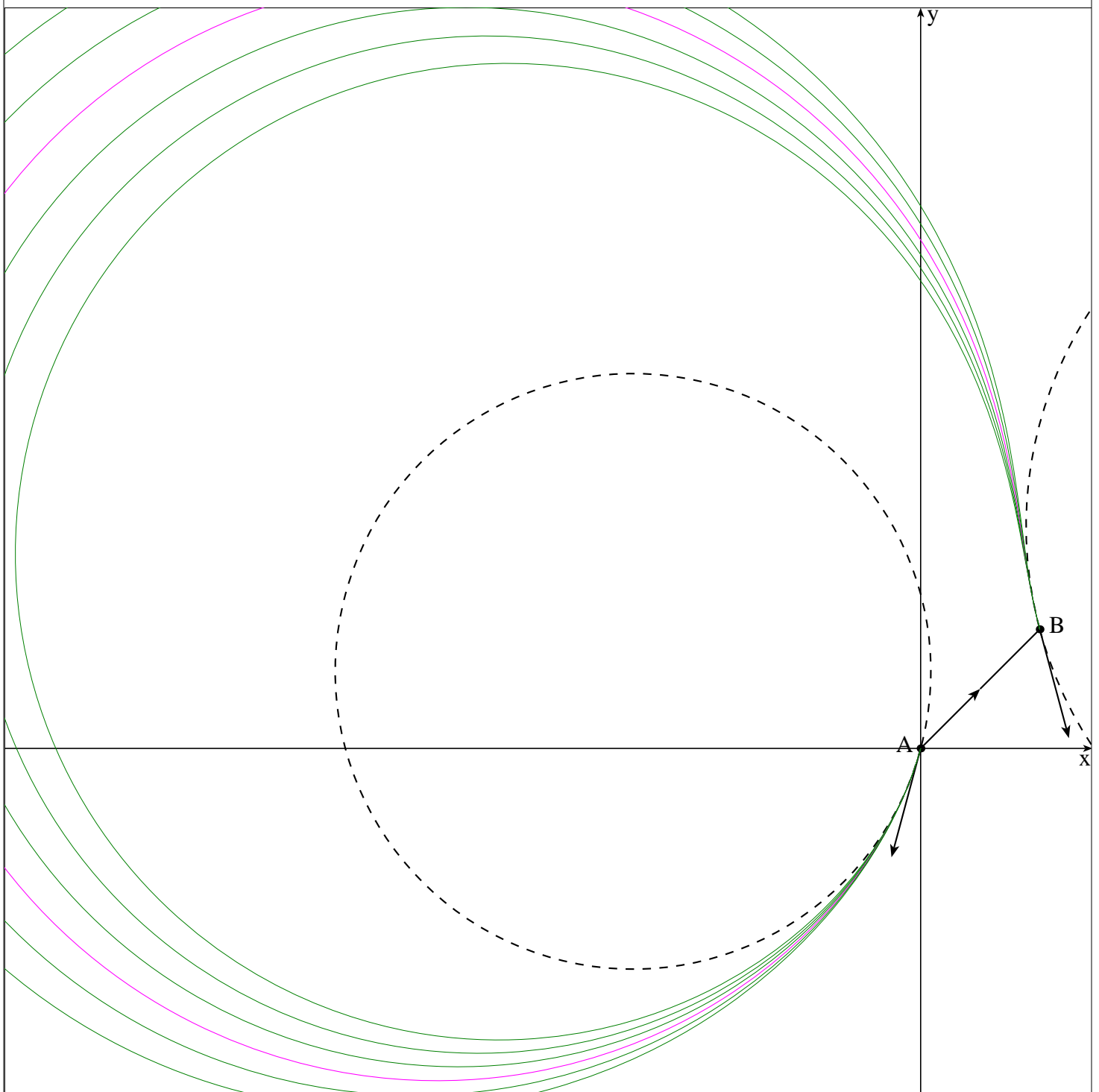
UserData: [/XYTK8 0 0 -105 -0.4 1.0 1.0 -75 0.3]

$X_1 = 0$, $Y_1 = 0$ $\tau_1 = -105°$, $k_1 = -0.4$

$X_2 = 1.0$, $Y_2 = 1.0$, $\tau_2 = -75°$, $k_2 = 0.3$

$Q = -0.344028$, $\sigma = 90.0°$; $c = 0.707107$; max $\Phi = 90°$

7 / 37 solutions found, 1 rejected: normalized curve length > 44

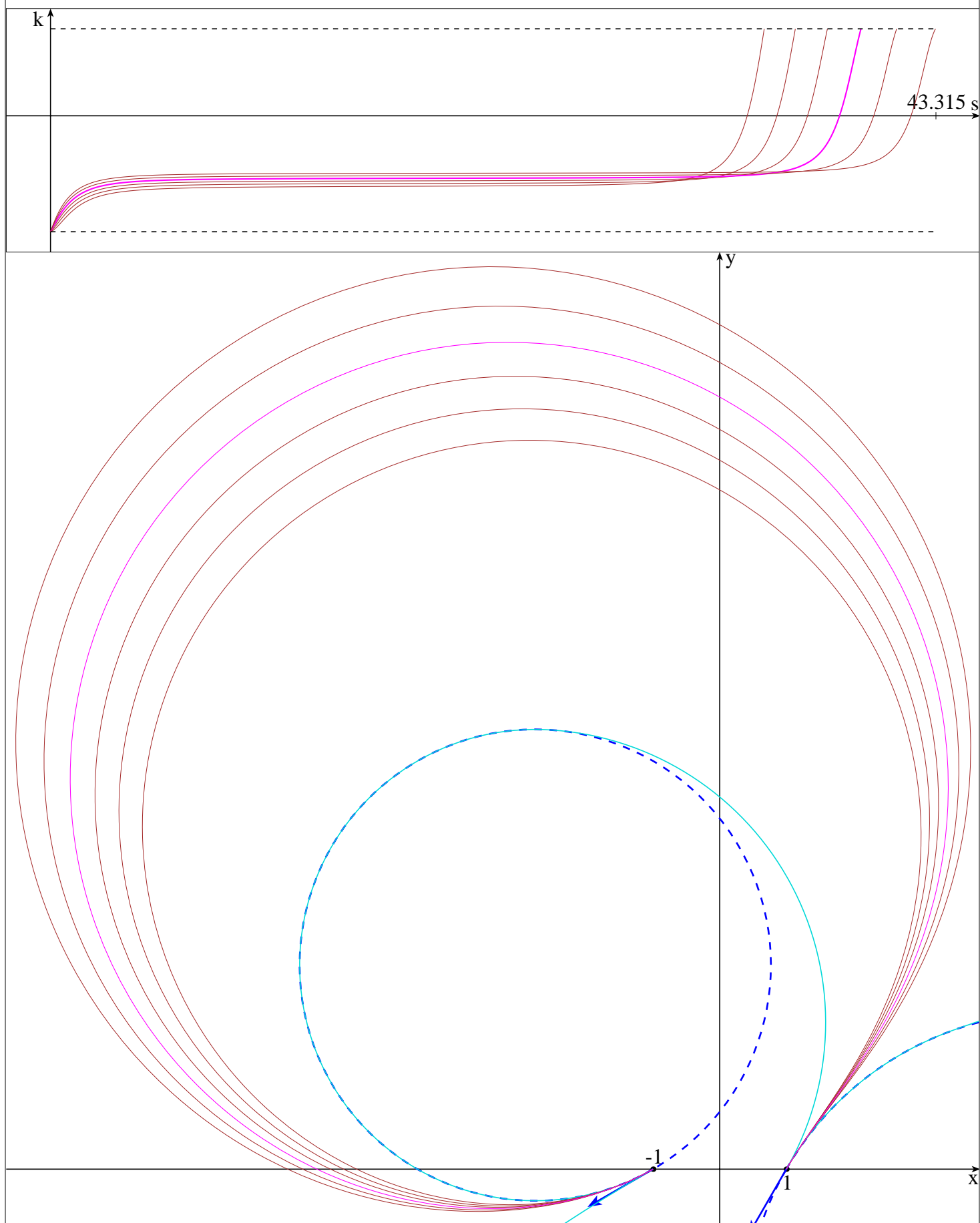All Solutions (7-1), normalized:

$\alpha = -150.0°, \; \beta = -120.0°, \; \sigma = 90.0°;$ $a = -0.282843, \; b = 0.212132, \; Q = -0.344028$

$\alpha = -150.0°, \ \beta = -120.0°, \ \sigma = 90.0°;$ $\qquad\qquad$ a = -0.282843, b = 0.212132, Q = -0.344028

$\varphi = -15.0° / \xi = -135.993°/, \ w = 0.332536, \ r_w = -4.52161, \ p = -3.8637, \ q = -3.73205$

$r_0 = 1.42757, \ \lambda_0 = -22.5°$ $\qquad\qquad\qquad$ L = 34.9285 * 0.707107 = 24.6982

34.93
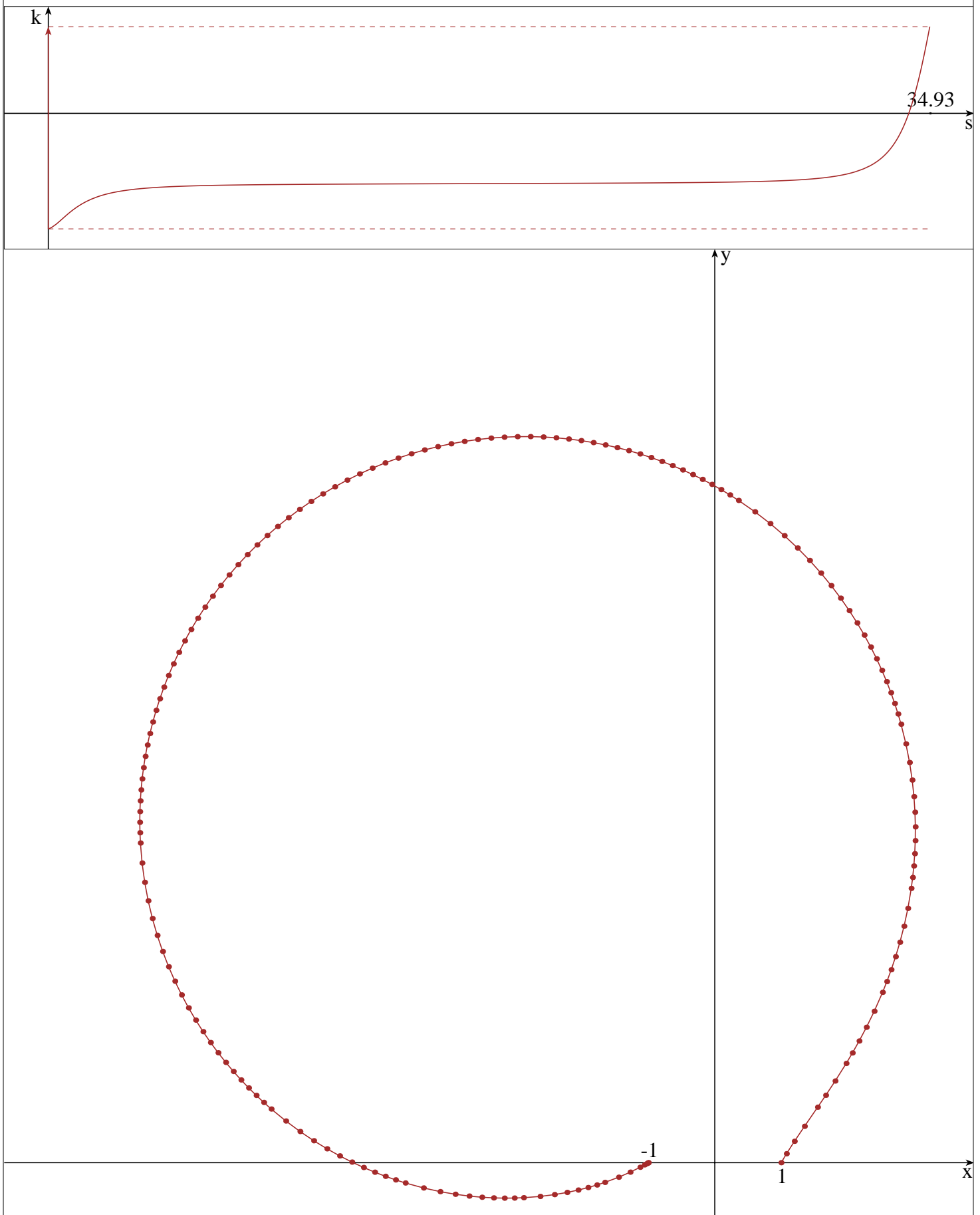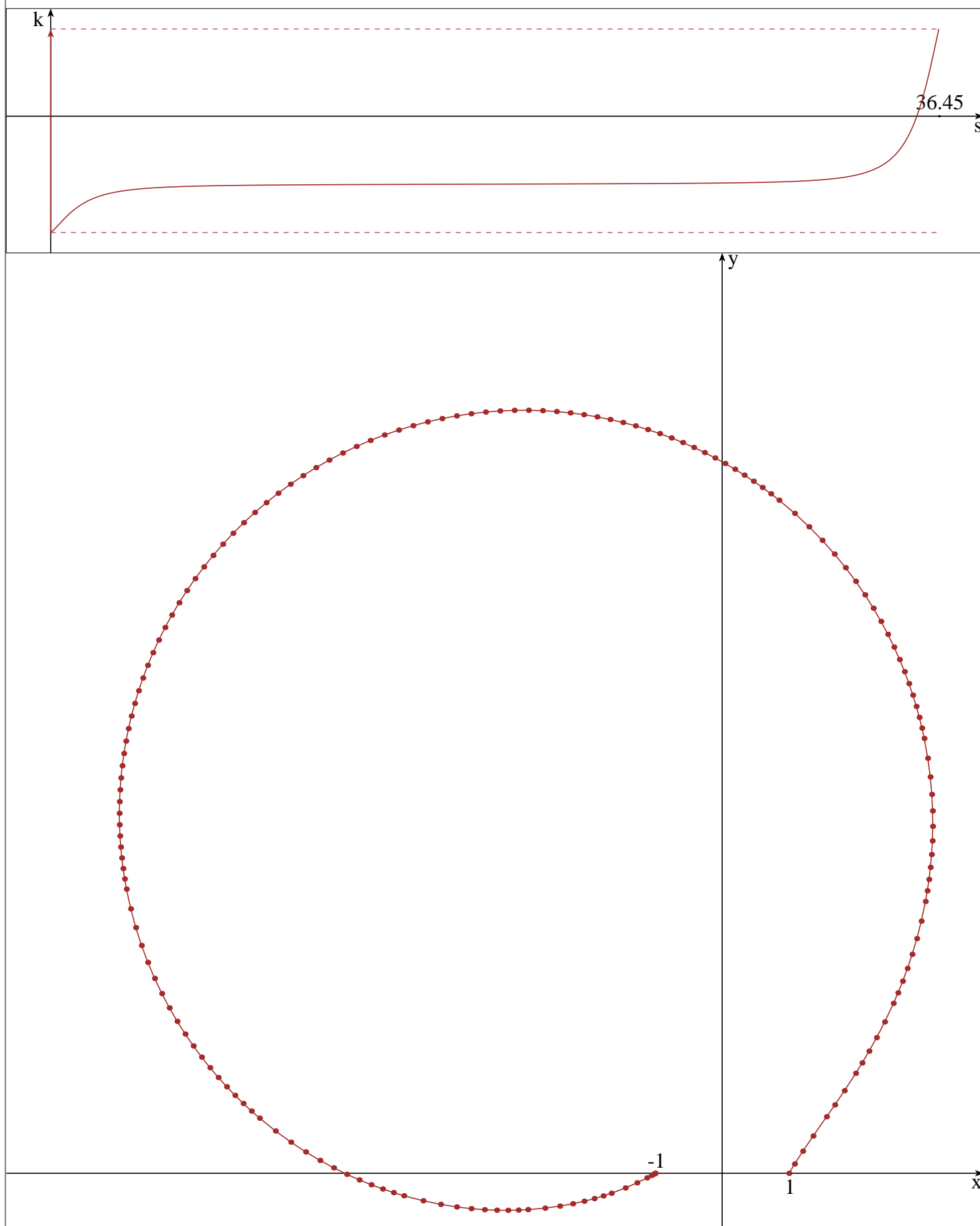
$\alpha = -150.0°, \ \beta = -120.0°, \ \sigma = 90.0°;$ $a = -0.282843, \ b = 0.212132, \ Q = -0.344028$

$\varphi = -10.0° \ / \ \xi = -135.439°/, \ w = 0.223811, \ r_w = -9.98172, \ p = -5.75877, \ q = -5.67128$

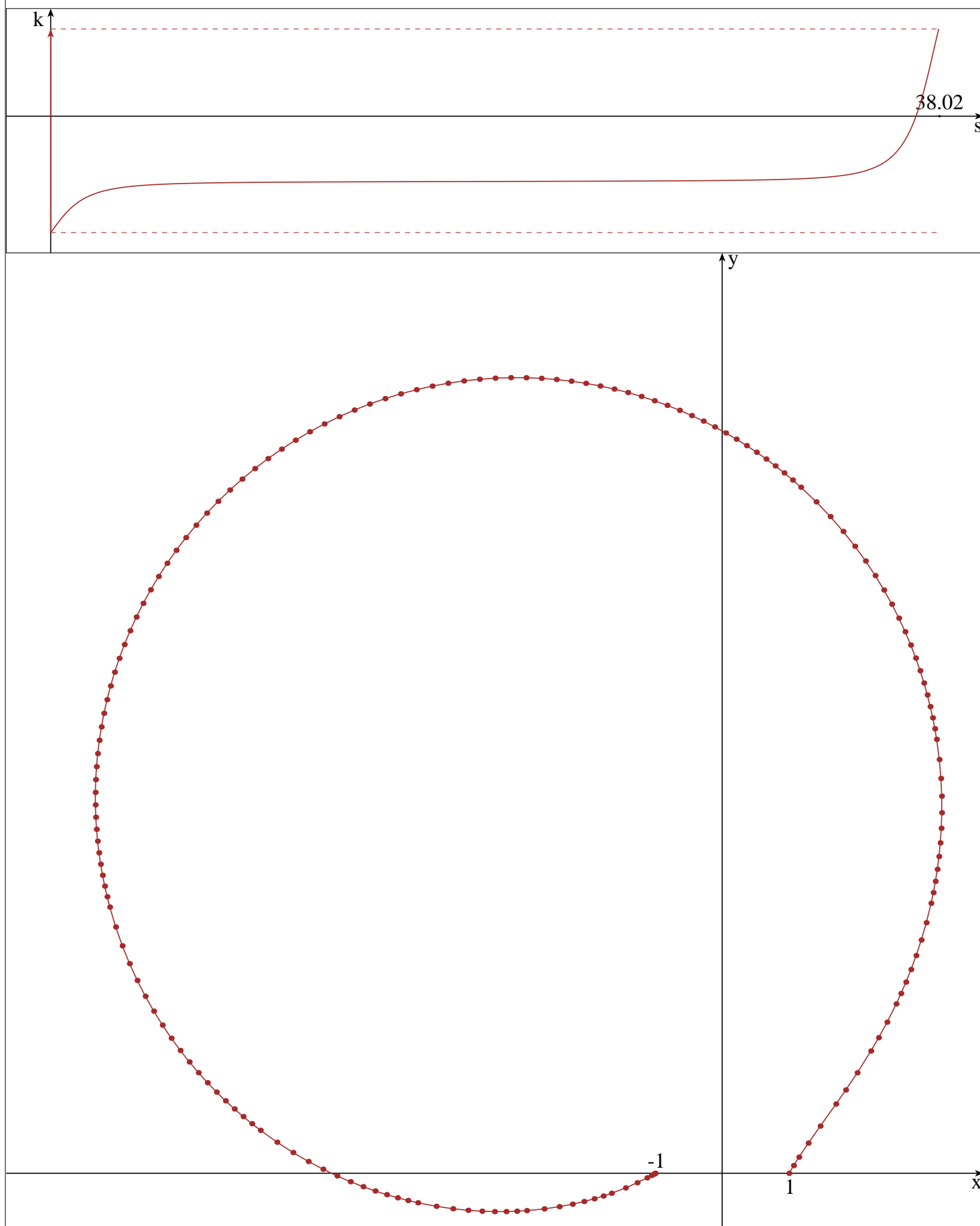$r_0 = 1.33496, \ \lambda_0 = -20.0°$ $L = 36.45 * 0.707107 = 25.7741$

$\alpha = -150.0°$, $\beta = -120.0°$, $\sigma = 90.0°$; $\quad\quad\quad$ $a = -0.282843$, $b = 0.212132$, $Q = -0.344028$

$\varphi = -5.0° / \xi = -135.109°/$, $w = 0.112573$, $r_w = -39.4547$, $p = -11.4737$, $q = -11.4301$

$r_0 = 1.251$, $\lambda_0 = -17.5°$ $\quad\quad\quad\quad\quad\quad$ $L = 38.0234 * 0.707107 = 26.8866$
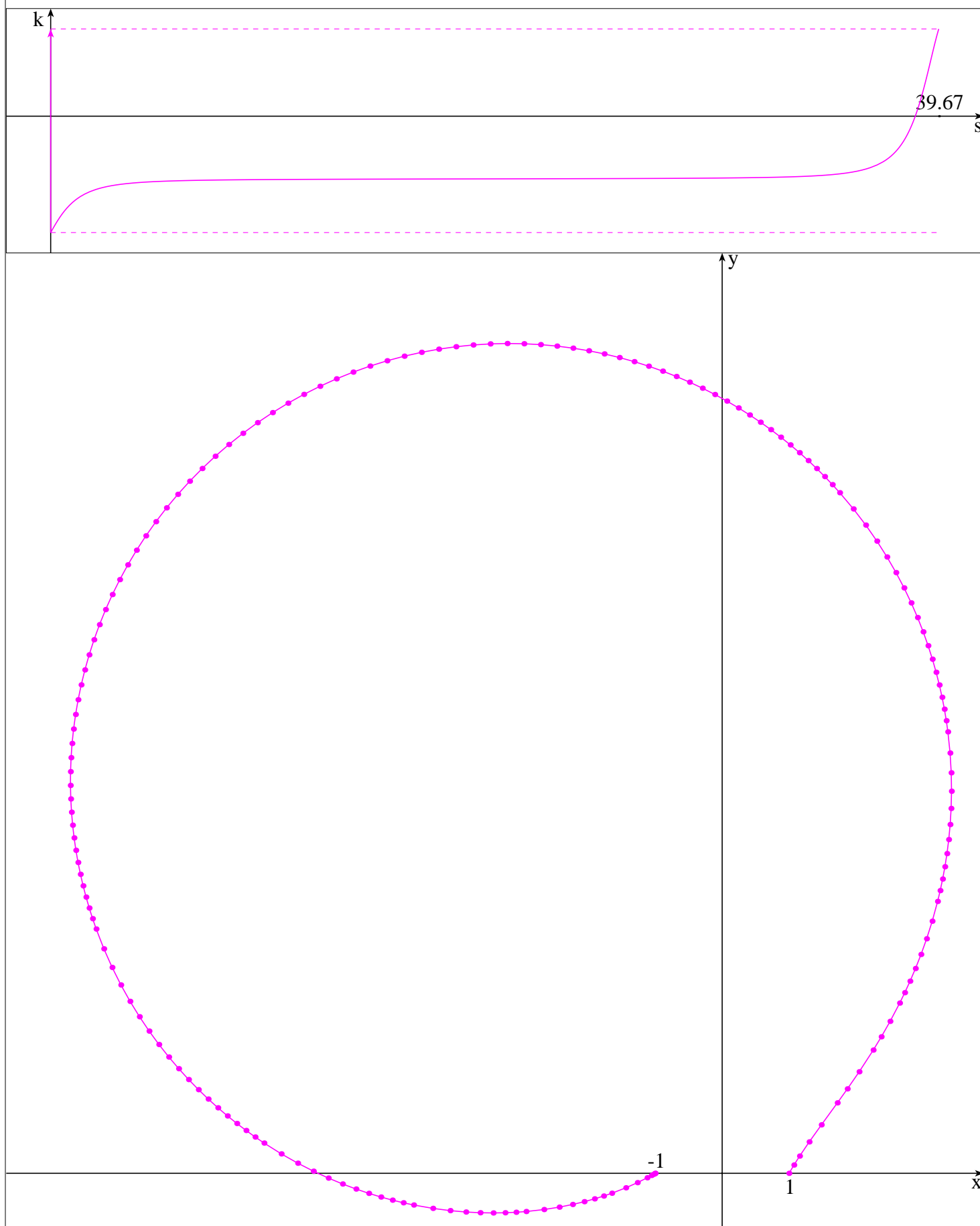
$\alpha = -150.0°, \ \beta = -120.0°, \ \sigma = 90.0°;$ $a = -0.282843, \ b = 0.212132, \ Q = -0.344028$

$\varphi = 0.0° \ / \ \xi = 45.0°/, \ w = 0.0,$

$r_0 = 1.17356, \ \lambda_0 = -15.0°$ $L = 39.6651 * 0.707107 = 28.0475$
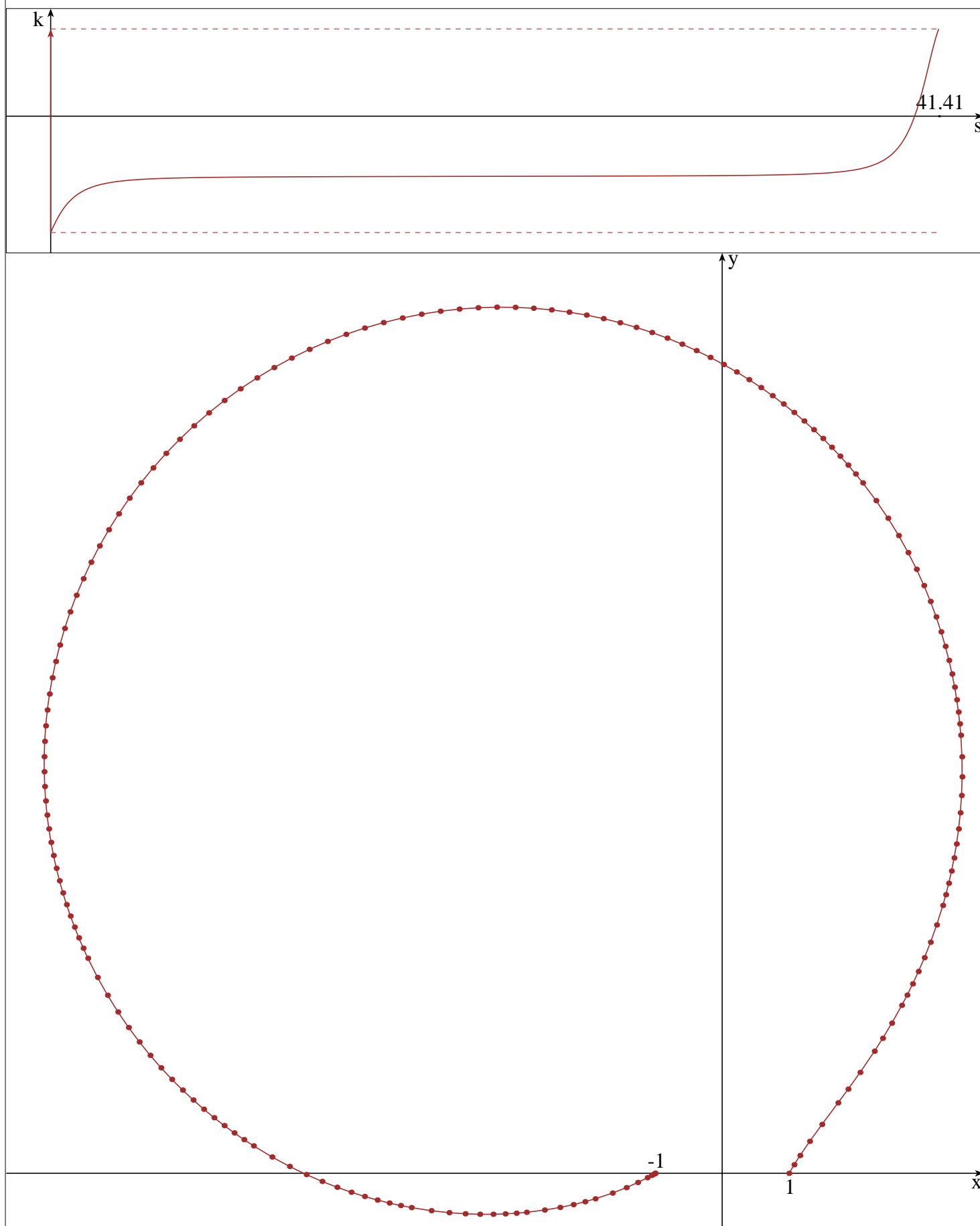
$\alpha = -150.0°, \ \beta = -120.0°, \ \sigma = 90.0°;$ $a = -0.282843, \ b = 0.212132, \ Q = -0.344028$

$\varphi = 5.0° \ / \ \xi = 44.8908°/, \ w = -0.112573, \ r_w = -39.4547, \ p = 11.4737, \ q = 11.4301$

$r_0 = 1.1009, \ \lambda_0 = -12.5°$ $L = 41.4141 * 0.707107 = 29.2842$
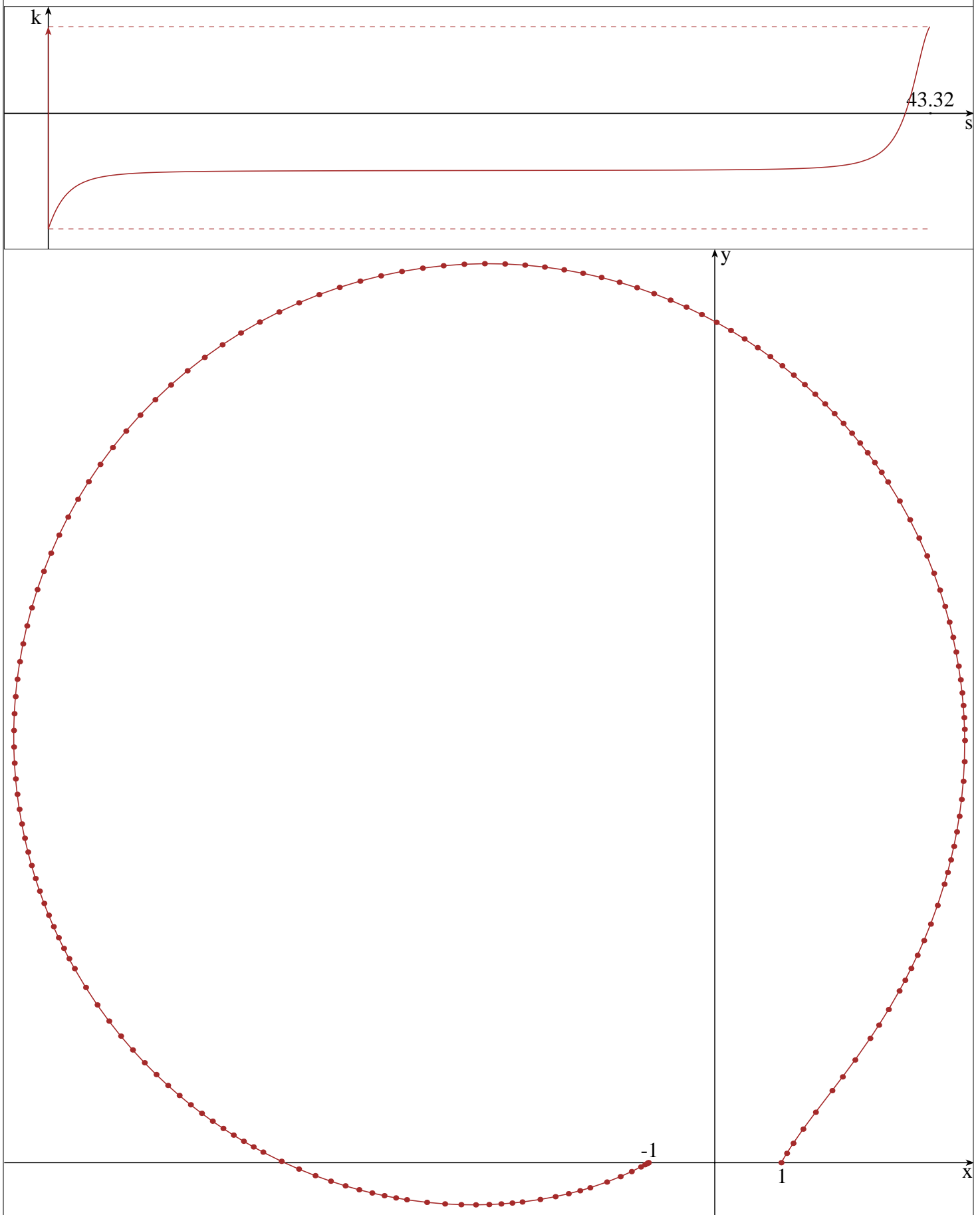
$\alpha = -150.0°$, $\beta = -120.0°$, $\sigma = 90.0°$; $a = -0.282843$, $b = 0.212132$, $Q = -0.344028$

$\varphi = 10.0°$ / $\xi = 44.5615°$/, $w = -0.223811$, $r_w = -9.98172$, $p = 5.75877$, $q = 5.67128$

$r_0 = 1.03167$, $\lambda_0 = -10.0°$ $L = 43.3151 * 0.707107 = 30.6284$

Conic info

α = −150.0°, β = −120.0°, σ = 90.0°;

a = -0.282843, b = 0.212132, Q = -0.344028

7 solutions.