y=f0=abs(x)*cos(x)

y=abs(x)*cos(x), volume of revolution= 13899.38801256466

y=abs(x)*cos(x), area between graph and x-axis= 283.6725678266443

y=abs(x)*cos(x), area under graph= -30.48669705724545

y=abs(x)*cos(x), f0'(3.0)=-1.4133525207515871

y=abs(x)*cos(x) intersects the y-axis at (0.0, 0.0)

y=abs(x)*cos(x) has root at x=29.84513017

y=abs(x)*cos(x) has root at x=26.70353752

y=abs(x)*cos(x) has root at x=23.56194487

y=abs(x)*cos(x) has root at x=20.42035222

y=abs(x)*cos(x) has root at x=17.27875957

y=abs(x)*cos(x) has root at x=14.13716693

y=abs(x)*cos(x) has root at x=10.99557428

y=abs(x)*cos(x) has root at x=7.85398163

y=abs(x)*cos(x) has root at x=4.71238897

y=abs(x)*cos(x) has root at x=1.57079632

y=abs(x)*cos(x), f0(6.0)=5.761021719902196

y=abs(x)*cos(x) has maximum at (30.0, 4.6275435)

y=abs(x)*cos(x) has maximum at (25.17244635, 25.15260682)

y=abs(x)*cos(x) has maximum at (18.90240997, 18.8760137)
y=abs(x)*cos(x) has maximum at (12.64528725, 12.6059313)
y=abs(x)*cos(x) has maximum at (6.43729815, 6.36100394)
y=abs(x)*cos(x) has maximum at (0.86033362, 0.56109634)
y=abs(x)*cos(x) has minimum at (28.30964287, -28.29199754)
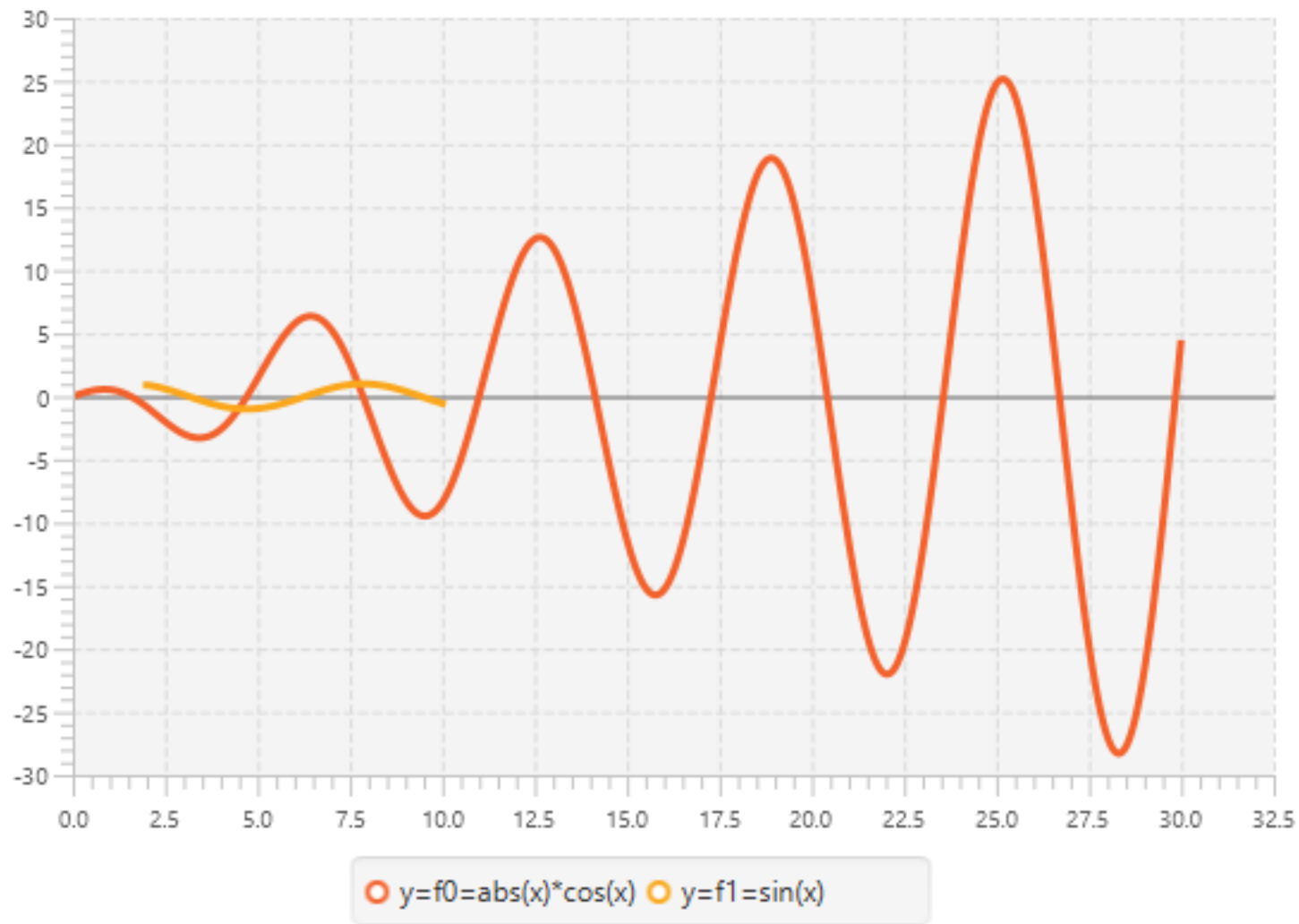**y=abs(x)*cos(x) has minimum at (22.0364967, -22.01384208)**
y=abs(x)*cos(x) has minimum at (15.77128485, -15.73967696)
y=abs(x)*cos(x) has minimum at (9.5293344, -9.47729426)
y=abs(x)*cos(x) has minimum at (3.42561847, -3.2883714)
y=abs(x)*cos(x) has minimum at (0.0, 0.0)

y=f0=abs(x)*cos(x) y=f1=sin(x)

f0 and f1 intersect at (7.72525184, 0.99172573)

f0 and f1 intersect at (4.49340946, -0.97611963)