

Nor lim
$$F(t) = \infty$$
, lim $F(t) = -\infty$, w f^{Lis}
has no externe values on \mathbb{R} .
Usight Things to determine the graph of F_{1}
() hitical prints : wither $F(x_{1}) = 0$ \mathbb{R} f is not differentiable at $(e_{2} \times e_{2} + f_{2} \times f_{1})$
(e) hitical prints : wither $F(x_{2}) = 0$ \mathbb{R} f is not differentiable at $(e_{2} \times e_{2} + f_{2} \times f_{1})$
(e) hitical Values: $= F(x_{2} + f_{2} \times a artical pt.(e) Sign of $F'(x_{2})$ between artical points a hericen points when
 f is not defined (F_{3} for $f(x_{2}) = \frac{1}{2}(x_{1})$ $x_{2} = \frac{1}{2}(x_{1})$ $x_{2} = \frac{1}{2}(x_{1})$
(c) Intercepts: $\left\{ \begin{array}{c} x - intercept : f(x_{2}) = \frac{1}{2}(x_{1}) \\ y - \frac{1}{2} = F(a) \end{array} \right\}$
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EXAMPLE 3: $f(x) = xec(x) = \frac{1}{\cos x}$ mp (7). Genirdec with period 2T $\frac{1}{\cos x} = \frac{1}{\cos x}$, so EVEN $\frac{1}{\cos(-x)} = \frac{1}{\cos x}$, so EVEN $\frac{1}{2}$, $\frac{3\pi}{2}$,



