[6.39] Convert equations to a parameterized form

A function f(x,y) = 0 can be 'parameterized' by converting it into two other functions x(t) and y(t), where t is the parameter. This functions x(t) and y(t) are not necessarily unique; there may be many functions that give the same result f(x,y). This function applies one possible parameterization of x and y, namely t = y/x.

For example, to find a parametric expression for

$$x^3 + x^2 - y^2 = 0$$

use the call

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parcurve(x^3+x^2-y^2,x,y)
```

which returns

$$x = t^2 - 1$$
 and $y = (t^2 - 1) \cdot t$ or $x = 0$ and $y = 0$

The first two equations are the useful parameterizations; the second two are extraneous solutions.

(Credit to Bhuvanesh Bhatt)