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[> # trinomials that curve fit the bifurcation graph.
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```
[> x[1, 1, bottom] := z2 + z + 41 :  
  y[1, 1] := z :  
[> p2 := plot([x[1, 1, bottom], y[1, 1], z=0..20]);  
                                     p2 := PLOT(...) (1)  
[> with(plots) :  
[> display(p2) :
```

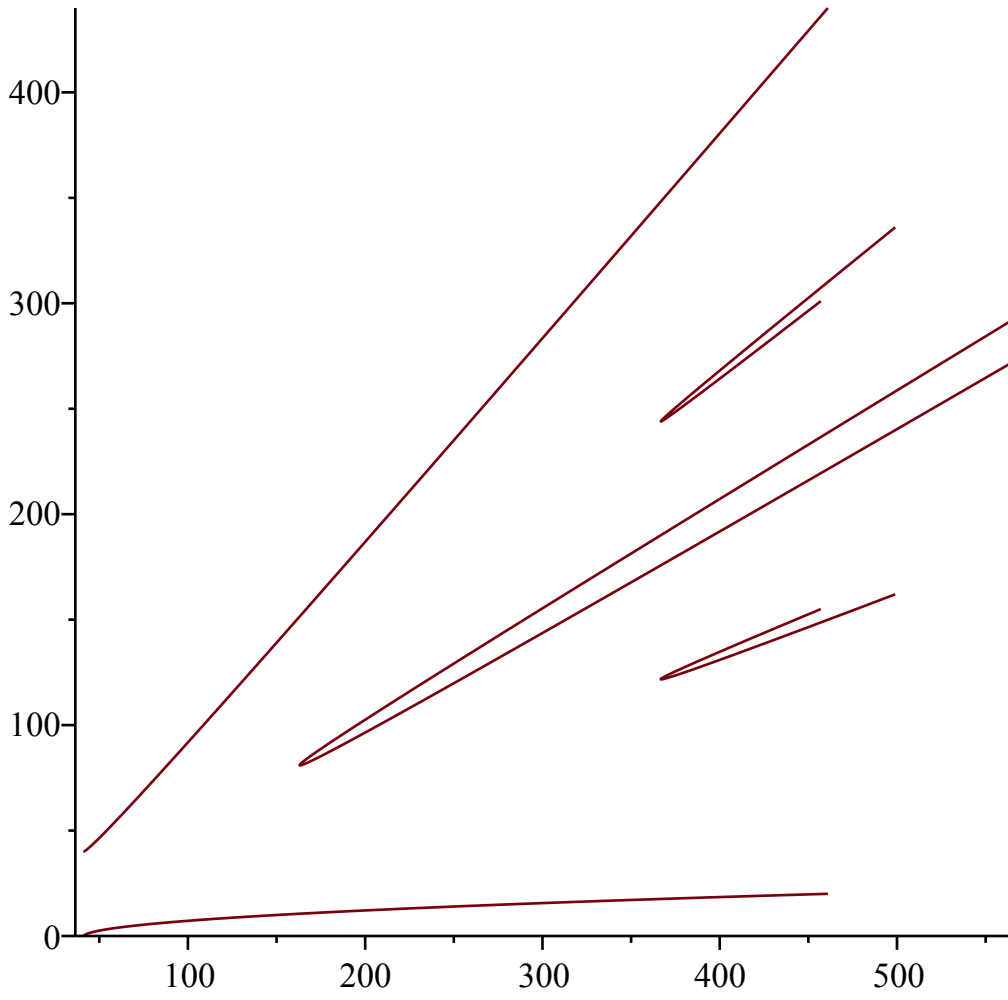
```
[> x[1, 1, top] := z2 + z + 41 :  
  y[1, 1, top] := z2 + 40 :  
[> p3 := plot([x[1, 1, top], y[1, 1, top], z=0..20]);  
                                     p3 := PLOT(...) (2)  
[> display(p3) :  
[> # this is correct
```

```
[> y[2, 1] := 2 z2 + z + 81 :  
  x[2, 1] := 4 z2 + 163 :  
  p4 := plot([x[2, 1], y[2, 1], z=-10..10]);  
  display(p4) :  
                                     p4 := PLOT(...) (3)  
[> display([p2, p3, p4]) :  
[> # this multiple plot is correct.
```

```
[> y[3, 1] := 3 z2 + 2 z + 122 :  
  x[3, 1] := 9 z2 + 3 z + 367 :  
[> p5 := plot([x[3, 1], y[3, 1], z=-4..3])  
                                     p5 := PLOT(...) (4)  
[> display(p5) :
```

```
[> y[3, 2] := 6 z2 + z + 244 :  
  x[3, 2] := 9 z2 + 3 z + 367 :  
[> p6 := plot([x[3, 2], y[3, 2], z=-4..3])  
                                     p6 := PLOT(...) (5)  
[> display(p6) :
```

```
> display([p2, p3, p4, p5, p6])
```



```
[> # I like this plot  
[> #Matt C. Anderson  
[> #1-19-2016  
[>
```