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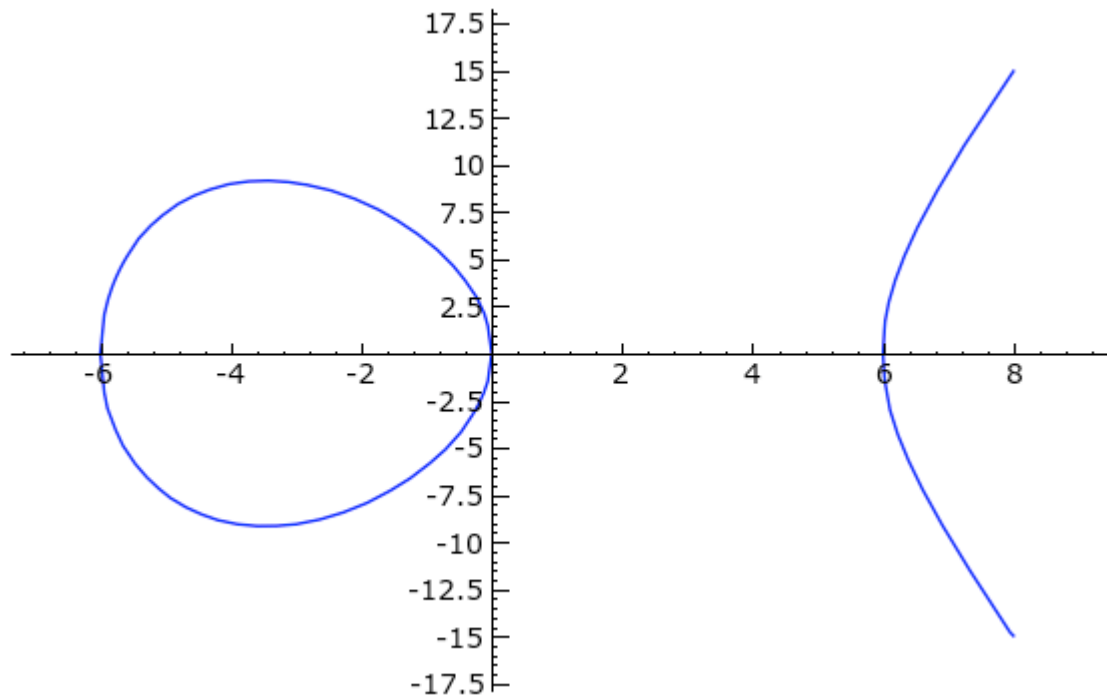
## Torsion Points

```
E=EllipticCurve([-36,0])
```

```
E
```

```
Elliptic Curve defined by  $y^2 = x^3 - 36x$  over Rational Field
```

```
E.plot()
```



```
(E.torsion_subgroup()).points()
```

```
[(-6 : 0 : 1), (0 : 0 : 1), (0 : 1 : 0), (6 : 0 : 1)]
```

```
E.point((6,0))+E.point((0,0))
```

```
(-6 : 0 : 1)
```

```
2*E.point((6,0))
```

```
(0 : 1 : 0)
```

```
P=E.point((-2,8))
```

```
P
```

```
(-2 : 8 : 1)
```

```
P+P
```

```
(25/4 : 35/8 : 1)
```

```
P+P+P
```

$(-4418/1089 : -319976/35937 : 1)$

4\*P

$(1442401/19600 : -1726556399/2744000 : 1)$