

Solving equations

Type some Sage code below and press Evaluate.

```
1 a, b, c = var('a, b, c' )  
2 solve([2*a + b/4 == 7*c, 8*b - a == 3*c, a/2 == b*c], a, b, c)  
3
```

Evaluate

```
[[a == 0, b == 0, c == 0], [a == (289/40), b == (17/10), c == (17/8)]]
```

Plotting

Type some Sage code below and press Evaluate.

```
1 t = var('t')
2 g = Graphics()
3 g += plot( -4.9*t^2 + 20*t + 1, [t, 0, 5])
4 g += plot( -4.9*t^2 - 5*t + 30, [t, 0, 5], color="red" , linestyle="--")
5 g.show()
```

Evaluate

