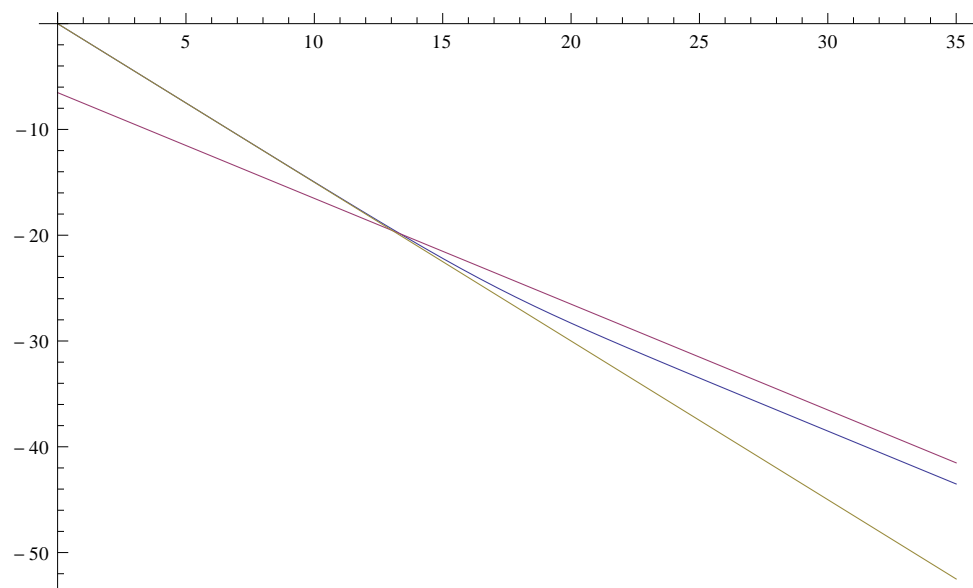


```
a = 0.0002; Plot[{Log[Exp[-1.5 t] + a * Exp[-t]], -t - 6.52, -1.5 t + Log[1 + a]], {t, 0, 35}]
```



```
Plot[{D[Log[Exp[-1.5 t] + a * Exp[-t]], t] /. t -> x}, {x, 0, 25}]
```

