InsmatD Demo 6

1 Demo 6 19.2.2018

1.1 7.

$$y' = (x+1)(y+1) <=> \frac{dy}{dx} = (x+1)(y+1)$$
$$<=> \frac{1}{y+1}dy = (x+1)dx$$
$$<=> \int \frac{1}{y+1}dy = \int (x+1)dx + C$$
$$<=> ln(y+1) = \frac{1}{2}x^2 + x + C$$
$$<=> y+1 = e^{\frac{1}{2}x^2+x+C}$$
$$<=> y = e^{\frac{1}{2}x^2+x+C}$$