

$\uparrow t$ 

$$u = -\cos(x + 3t) - 2 \cos((x - 3t)/2) + 7$$

 $\rightarrow x$ 

$$u = -\cos(x + 3t) + 5 \cos(x - 3t)$$

$$u = \frac{5}{2} \cos(2x + 6) - \frac{7}{2} + 5 \cos(x - 3t)$$