a) Which scope photo corresponds to this circuit?

b) Determine the value of $R_5$

c) An input $v_{in} = (1V)\cos(2\pi(1kHz)t)$ waveform is applied for $v_{in}$. Express $v_{in}$ and $v_{out}$ in phasor notation, and sketch on time axes.
A first order passive RC lowpass shows these input-output waveforms.

a) Determine the transfer function (numerical values) and sketch the magnitude and phase Bode plot.

b) Sketch the step response of this circuit, indicating the rise time.