Emmanuel Bermudez 22500891 S9I

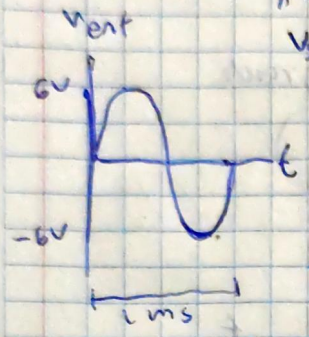
Actividad 8

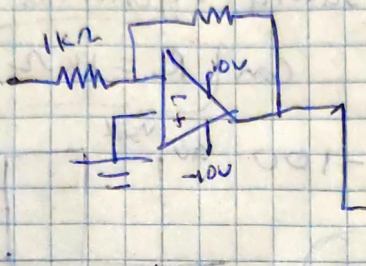
$+V_{sat} = 90\%(V_{cc}) = 90\%(10V) = 9V$

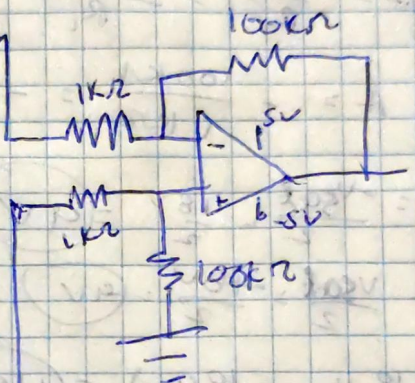
$-V_{sat} = 90\%(-V_{cc}) = 90\%(-10V) = -9V$

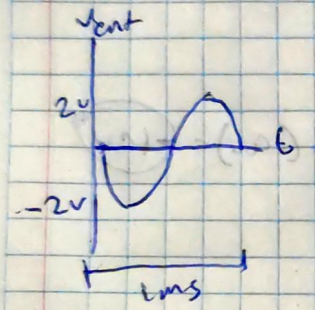
$A = -\frac{R_f}{R_i} = -\frac{1K\Omega}{1K\Omega} = -1$

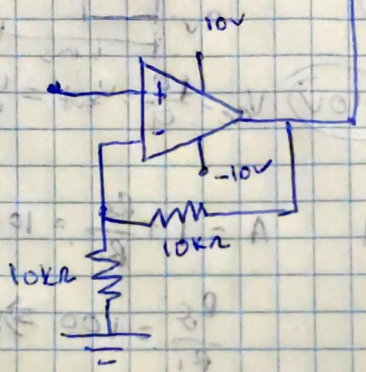
$V_{sal} = AV_{ent} = (-1)(12V_{pp}) = -12V_{pp}$ → 6V, -6V











$+V_{sat} = 90\%(V_{cc}) = 90\%(5V) = 4.5V$

$-V_{sat} = 90\%(-V_{cc}) = 90\%(-5V) = -4.5V$

$V_{sal} = \frac{R_f}{R_i}(V_{ent2} - V_{ent1})$

$= \frac{100K\Omega}{1K\Omega}(-8V_{pp} - (+12V_{pp}))$

$= 100(4V_{pp}) = 400V_{pp}$

$+V_{sat} = 90\%(V_{cc}) = 90\%(10V) = 9V$

$-V_{sat} = 90\%(-V_{cc}) = 90\%(-10V) = -9V$

$A = 1 + \frac{R_f}{R_i} = 1 + \frac{10K\Omega}{10K\Omega} = 2$

$V_{sal} = AV_{ent} = 2(-4V_{pp}) = -8V_{pp}$ → 4V, -4V

200Vp, -200Vp

4.5Vp, -4.5Vp

9Vpp