

Answers to EEE210 Quiz #1 AY2014-2015

1.

$$V_o = \begin{cases} (6V_i + 12)/11 & \text{if } V_i > -2 \text{ V} \\ (3V_i + 6)/4 & \text{if } V_i < -2 \text{ V} \end{cases}$$

2. (a) $V_S = 2.81235 \text{ V}$

(b) $V_S = 2.85 \text{ V}$

3. $v_o(t) = \frac{-h(R_3 \parallel R_4)}{R_2} v_i(t)$