SOLUTION

Exercise for Chapter 4_2

1) $V_m = \pm 40$ mV
2) Circuit analysis using superposition
3)

$$V_0 = -\frac{R_{12}}{R_{11}}\left(1+2\frac{R_5}{R_3}\right)\left(1+\frac{2R_6}{R_7}\right)\frac{V_m}{2}$$

R_{12}= 69.1 kΩ