Chapter 5, Solution 4.

$$v_0 = Av_d = A(v_2 - v_1)$$

$$v_2 - v_1 = \frac{v_0}{A} = \frac{-4}{2x10^6} = -2\mu V$$

$v_2 - v_1 = -2\ \mu V = -0.002$ mV
1 mV - $v_1 = -0.002$ mV
$v_1 =$ **1.002 mV**