

$$V_{Fo} = 2(V_2 - V_1)$$

$$V_{x} = \frac{3.3}{\left(2 + \frac{4.7K}{200K + \frac{1}{6}} + \frac{4.7K}{200K + R}\right)}$$

When
$$R = 0$$
, $G = \frac{(V_2 - 4590)}{(-204590(V_2))}$

$$V_2 = \frac{V_x}{G(200K)+1}$$

$$V_1 = \frac{(V_x)R}{2\infty k + R}$$