$$7-2 + \frac{0.01 \mu F}{V_{1}(t)} + \frac{100 E6}{V_{2}(t)} + \frac{1000 E}{V_{1}(s)} + \frac{1000 E}{V_{2}(s)} + \frac{1000 E}{V_{1}(s)} + \frac{1000 E}{V_$$

7-4
$$\frac{10k^{2}}{+W}$$
 + $\frac{10e^{3}}{+V_{1}(t)}$ + $\frac{10e^{3}}{+V_{2}(t)}$ + $\frac{10e^{3}}{+V_{1}(s)}$ 0.15 $\frac{3}{4}$ $\frac{10e^{3}}{+V_{2}(s)}$

$$V_2(s) = V_1(s) \cdot \frac{0.1s}{10E3 + 0.1s} = V_1(s) \cdot \frac{s}{100E3 + s}$$

7-8
$$\frac{2\pi}{+}$$
 $\frac{2\pi}{+}$ $\frac{2\pi}$

$$V_2(s) = V_1(s) \cdot \frac{10/s + 2}{10/s + 4} = V_1(s) \cdot \frac{10 + 2s}{10 + 4s} = V_1(s) \cdot \frac{5 + s}{5 + 2s}$$

$$(G(s) = \frac{5+5}{5+25})$$

7-10
$$\frac{I_{1}(t)}{5\pi\xi} = \frac{I_{1}(s)}{2t}$$

$$\frac{I_{1}(s)}{5\pi\xi} = \frac{I_{2}(s)}{5\pi\xi} = \frac{I_{2}$$