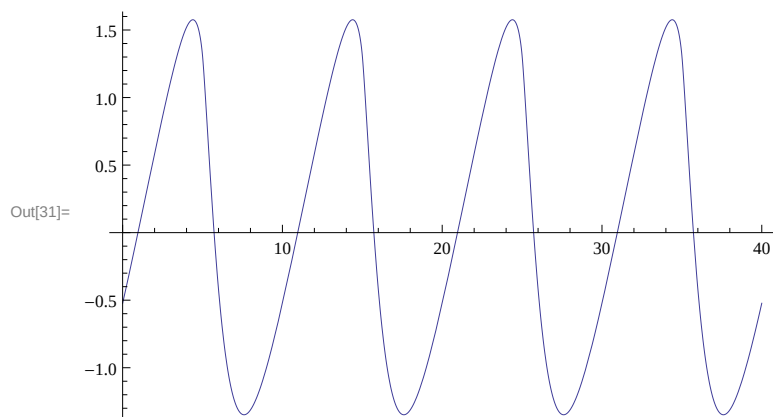


Peter Chinetti, Adam Sumner and Andy Huang' s Graphs for ECE 308 HW #9

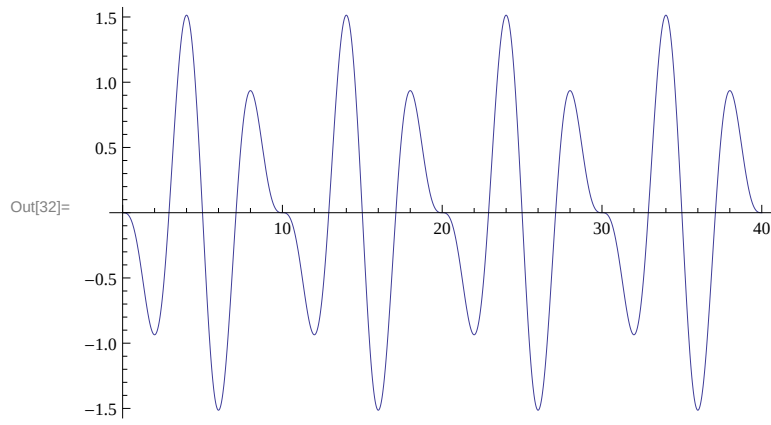
3. A

```
In[31]:= Plot[Sum[Re[ $\frac{1}{1 + \frac{i*2*n*\pi}{10}}$ ] * (-1)n+1 *  $\frac{6}{n*\pi}$  * Sin[ $\frac{2*n*\pi*t}{10}$  + Arg[ $\frac{1}{1 + \frac{i*2*n*\pi}{10}}$ ]], {n, 100}],  
{t, 0, 40}]
```



3. B

```
In[32]:= Plot[Sum[(-1)^(n+1) *  $\frac{6}{n * \pi}$  * Sin[ $\frac{2 * n * \pi * t}{10}$ ], {n, 2, 3}], {t, 0, 40}]
```



6. C

```
In[62]:= c := .001 * 10-3
l := .001 * 10-3
r := 10
```

```
LogLinearPlot[Abs[
$$\frac{\frac{\frac{1}{\frac{1}{1} + \frac{1}{r}}}{c + i f}}{1 * i * f + \frac{1}{\frac{1}{\frac{1}{1} + \frac{1}{r}}}{c + i f}}}], \{f, 10^1, 10^4\}]$$

```

```
LogLinearPlot[Arg[
$$\frac{\frac{\frac{1}{\frac{1}{1} + \frac{1}{r}}}{c + i f}}{1 * i * f + \frac{1}{\frac{1}{\frac{1}{1} + \frac{1}{r}}}{c + i f}}}], \{f, 10^1, 10^4\}]$$

```

